

Message

From: Anderson, Brian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CE7D6E5AD2E94B3F8F5AC4D839A6C268-BRIAN ANDERSON]
Sent: 3/8/2018 12:09:43 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]
Subject: FW: Senior Management Pesticide Call - Follow Up Items
Attachments: Pesticide Usage Data Sources Overview_2-23-18 EPA.pdf; Increasing our understanding of geographic specificity_2-26-18_draft EPA.pptx; caracara_example EPA.pptx; Diazinon usage slides_Feb 26 meeting FWS.pptx; Non_Agricultural Use Slides_2_25_2018_FINAL FWS.pdf; Applying_usage_2-26-18 EPA.pptx; Pesticide Usage Work Group charge_2 26 18.docx.pdf; Pesticide Usage Working Group - Member List.pdf

Hi Patrice,

I'm just following up from my email from earlier this week – are these all the slides that FWS has? I thought you guys said that there was a slide deck on some thoughts around how you guys would incorporate usage data into the assessment.

I did not see that in what you sent. Is there a missing slide deck?

Thanks

Brian

From: Stilson, Ashley [mailto:ashley_stilson@fws.gov]
Sent: Thursday, March 01, 2018 12:16 PM
To: Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Pease, Anita <Pease.Anita@epa.gov>; Perry, Tracy <Perry.Tracy@epa.gov>; sheryl.kunickis@osec.usda.gov; Sims, Diann <Sims.Diann@epa.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Craig Aubrey <craig_aubrey@fws.gov>; Shultz, Gina <gina_shultz@fws.gov>; Corbin, Mark <Corbin.Mark@epa.gov>; Patrice Ashfield <patrice_ashfield@fws.gov>
Subject: Senior Management Pesticide Call - Follow Up Items

Good afternoon Senior Management,

Please find attached the Pesticide Usage Working Group Charge, Pesticide Usage Working Group Member List, and the FWS PowerPoints from Monday's meeting. These are the same PowerPoints that were sent in Patrice's email.

Have a wonderful day,

--

Ashley Stilson

Special Assistant to the Deputy Assistant Director
Knauss Fellow 2018
Ecological Services
U.S. Fish and Wildlife Service
5275 Leesburg Pike
Falls Church, VA 22041-3803
(703) 358-2312

Message

From: Anderson, Brian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CE7D6E5AD2E94B3F8F5AC4D839A6C268-BRIAN ANDERSON]
Sent: 3/8/2018 12:06:45 PM
To: Garber, Kristina (Garber.Kristina@epa.gov) [Garber.Kristina@epa.gov]; Panger, Melissa (Panger.Melissa@epa.gov) [Panger.Melissa@epa.gov]; Rossmeisl, Colleen (Rossmeisl.Colleen@epa.gov) [Rossmeisl.Colleen@epa.gov]; Peck, Charles (Peck.Charles@epa.gov) [Peck.Charles@epa.gov]; Eckel, William (Eckel.William@epa.gov) [Eckel.William@epa.gov]; Connolly, Jennifer (Connolly.Jennifer@epa.gov) [Connolly.Jennifer@epa.gov]; Lennartz, Steven (Lennartz.Steven@epa.gov) [Lennartz.Steven@epa.gov]; White, Katrina [White.Katrina@epa.gov]
Subject: slides from the workshop
Attachments: Pesticide Usage Data Sources Overview_2-23-18 EPA.pdf; Increasing our understanding of geographic specificity_2-26-18_draft EPA.pptx; caracara_example EPA.pptx; Diazinon usage slides_Feb 26 meeting FWS.pptx; Non_Agricultural Use Slides_2_25_2018_FINAL FWS.pdf; Applying_usage_2-26-18 EPA.pptx; Pesticide Usage Work Group charge_2 26 18.docx.pdf; Pesticide Usage Working Group - Member List.pdf

These are the slides that FWS sent – (ours also). I don't see any non-presented slides though in there?

Either way, this is what we have so far – the first step was supposed to be looking at and commenting on FWS's slides that we did not see yet – I'll forward on any more slides if they are sent. Apparently there is a slide deck from them that presents a method for incorporating usage data, but I still have not seen it.

B

From: Stilson, Ashley [mailto:ashley_stilson@fws.gov]
Sent: Thursday, March 01, 2018 12:16 PM
To: Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Pease, Anita <Pease.Anita@epa.gov>; Perry, Tracy <Perry.Tracy@epa.gov>; sheryl.kunickis@osec.usda.gov; Sims, Diann <Sims.Diann@epa.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Craig Aubrey <craig_aubrey@fws.gov>; Shultz, Gina <gina_shultz@fws.gov>; Corbin, Mark <Corbin.Mark@epa.gov>; Patrice Ashfield <patrice_ashfield@fws.gov>
Subject: Senior Management Pesticide Call - Follow Up Items

Good afternoon Senior Management,

Please find attached the Pesticide Usage Working Group Charge, Pesticide Usage Working Group Member List, and the FWS PowerPoint from Monday's meeting. These are the same PowerPoints that were sent in Patrice's email.

Have a wonderful day,

--

Ashley Stilson

Special Assistant to the Deputy Assistant Director
Knauss Fellow 2018
Ecological Services
U.S. Fish and Wildlife Service
5275 Leesburg Pike
Falls Church, VA 22041-3803
(703) 358-2312

Message

From: Anderson, Brian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CE7D6E5AD2E94B3F8F5AC4D839A6C268-BRIAN ANDERSON]
Sent: 2/14/2018 10:16:24 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]
Subject: a few comments on the agenda
Attachments: Draft agenda for pesticide use meeting_2_14_2018b.docx

Hi Patrice,

Attached are a couple of comments on the agenda. We may have a few more forthcoming as well. I'm assuming this will be a bit fluid over the next week.

We can talk about it anytime.

Thanks

Brian

Message

From: Golden, Nancy [nancy_golden@fws.gov]
Sent: 6/25/2018 4:09:43 PM
To: cathy.tortorici@noaa.gov; Garber, Kristina [Garber.Kristina@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Sheryl.Kunickis@osec.usda.gov [sheryl.kunickis@osec.usda.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; Becker, Jonathan [Becker.Jonathan@epa.gov]; Shultz, Gina [gina_shultz@fws.gov]; George Noguchi [george_noguchi@fws.gov]; david epstein [David.Epstein@ARS.USDA.GOV]; Myers, Clayton - ARS [clayton.myers@ars.usda.gov]; Sims, Diann [Sims.Diann@epa.gov]; Paisley-Jones, Claire [Paisley-Jones.Claire@epa.gov]; Tony Hawkes [tony.hawkes@noaa.gov]; Sara Omar [sara_omar@ios.doi.gov]; Ashley Stilson [ashley_stilson@fws.gov]; David Baldwin (NOAA Federal) [david.baldwin@noaa.gov]; Hill2, Elizabeth - ARS [elizabeth.hill2@ars.usda.gov]
CC: Ryan DeWitt [Dewitt.j.ryan@gmail.com]; Thom Hooper [Thomas.Hooper@noaa.gov]; Scott Hecht - NOAA Federal [Scott.Hecht@noaa.gov]; Andrew Raabe [andrew_raabe@fws.gov]; Patrice Ashfield [patrice_ashfield@fws.gov]
Subject: Usage data catalog 6_25_18
Attachments: Usage Data Catalogue 6_25_18.xlsx

Attached is the Usage Data Catalog reflecting the work done by FWS and others since our last meeting. For each source we've provided a recommendation of whether to pursue data from this source, with a brief explanation/evaluation, and the current status of data collection.

Data sources have been grouped into the following categories:

- General sources
- State-specific
- Mosquito control only
- Supporting information
- Not relevant to malathion, but potentially for other pesticides
- Not recommend for further investigation

FWS will lead a discussion of the catalog for tomorrow's usage call. Looking forward to talking to everyone then.

Nancy

Nancy H. Golden, Ph.D.
Environmental Contaminants Specialist
U.S. Fish & Wildlife Service
Ecological Services, MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
(703) 358-2077
(703) 358-1800 fax
email: Nancy_Golden@fws.gov

Message

From: Sims, Diann [Sims.Diann@epa.gov]
Sent: 4/4/2018 7:39:51 PM
To: Patrice Ashfield [patrice_ashfield@fws.gov]; Sheryl Kunickis [Sheryl.Kunickis@osec.usda.gov]; cathy.tortorici@noaa.gov; Shultz, Gina [gina_shultz@fws.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]
CC: Ashley Stilson [ashley_stilson@fws.gov]
Subject: RE: The Agenda for Tomorrow's BEAD Meeting
Attachments: Pesticide Usage Data Sources Overview_2-23-18_FINAL.PPTX; BEAD Response to FWS questions regarding usage data 02212018.docx

Hi Patrice,

Thanks for sharing the agenda with us. We had some Wi-Fi issues earlier, hence the late reply. We're looking forward to discussing malathion with the workgroup and hope to make progress in the allotted timeframe.

Deliberative Process / Ex. 5

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Wednesday, April 4, 2018 11:05 AM
To: Sims, Diann <Sims.Diann@epa.gov>; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>; cathy.tortorici@noaa.gov; Shultz, Gina <gina_shultz@fws.gov>
Cc: Ashley Stilson <ashley_stilson@fws.gov>
Subject: The Agenda for Tomorrow's BEAD Meeting

Dear Diann, Sheryl and Cathy-

Attached is a draft Agenda (with a general purpose statement) to help facilitate tomorrow's malathion BEAD workshop. It is very simple and straight forward so I am thinking this should be for everyone. However, if you see a fatal flaw, pls let me know asap and we can change it. If this version is okay then pls forward to your folks.

Thanks!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041

(703) 358-2478 office

Message

From: Shultz, Gina [gina_shultz@fws.gov]
Sent: 5/30/2018 12:57:08 PM
To: Nancy Golden [nancy_golden@fws.gov]; sheryl.kunickis@osec.usda.gov; tony.hawkes@noaa.gov; George Noguchi [george_noguchi@fws.gov]; cathy.tortorici@noaa.gov; clayton.myers@ars.usda.gov; david.baldwin@noaa.gov; elizabeth.hill2@ars.usda.gov; david epstein [David.Epstein@ARS.USDA.GOV]; Garber, Kristina [Garber.Kristina@epa.gov]; Sims, Diann [Sims.Diann@epa.gov]; Becker, Jonathan [Becker.Jonathan@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]; Perry, Tracy [Perry.Tracy@epa.gov]; Paisley-Jones, Claire [Paisley-Jones.Claire@epa.gov]; Miller, Wynne [Miller.Wynne@epa.gov]
CC: Patrice Ashfield [patrice_ashfield@fws.gov]; Craig Aubrey [craig_aubrey@fws.gov]
Subject: Pesticide Usage Work Group: Final Milestones and Timeline
Attachments: milestones_timeline_interagency_usage_5-30-18_final.docx

Gina Shultz
Deputy Assistant Director, Ecological Services
U.S. Fish and Wildlife Service
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-1985

Message

From: Shultz, Gina [gina_shultz@fws.gov]
Sent: 3/13/2018 10:32:49 PM
To: Becker, Jonathan [Becker.Jonathan@epa.gov]; elizabeth.hill2@ars.usda.gov; Paisley-Jones, Claire [Paisley-Jones.Claire@epa.gov]; Sims, Diann [Sims.Diann@epa.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; tony.hawkes@noaa.gov; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Garber, Kristina [Garber.Kristina@epa.gov]; cathy.tortorici@noaa.gov; George Noguchi [george_noguchi@fws.gov]; Kunickis, Sheryl [Sheryl.Kunickis@osec.usda.gov]; T. Clem [teung.chin@ars.usda.gov]; Nancy Golden [nancy_golden@fws.gov]; Ashley Stilson [ashley_stilson@fws.gov]; david epstein [David.Epstein@ARS.USDA.GOV]
Subject: FWS's Action Item from March 13 Usage Working Group Meeting
Attachments: Use of usage data_Feb 26 usage meeting_for dist (1).pptx; use of usage data slides_notes_FWS.docx; Usage Data.xlsx

At today's meeting FWS agreed to provide the attached slide deck and notes on use of usage data and risk analysis and the usage data spread sheet that we started.

*Gina Shultz
Deputy Assistant Director, Ecological Services
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MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-1985*

Message

From: Tony Hawkes - NOAA Federal [tony.hawkes@noaa.gov]
Sent: 5/17/2018 7:11:45 PM
To: Sims, Diann [Sims.Diann@epa.gov]
CC: Hill2, Elizabeth - ARS [Elizabeth.Hill2@ars.usda.gov]; Stilson, Ashley [ashley_stilson@fws.gov]; Kunickis, Sheryl - OSEC [Sheryl.Kunickis@osec.usda.gov]; Paisley-Jones, Claire [Paisley-Jones.Claire@epa.gov]; Shultz, Gina [gina_shultz@fws.gov]; cathy.tortorici@noaa.gov; david epstein [David.Epstein@ARS.USDA.GOV]; Perry, Tracy [Perry.Tracy@epa.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; Becker, Jonathan [Becker.Jonathan@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; George Noguchi [george_noguchi@fws.gov]; Nancy Golden [nancy_golden@fws.gov]; Garber, Kristina [Garber.Kristina@epa.gov]; Myers, Clayton - ARS [Clayton.Myers@ars.usda.gov]; Chin, Teung [Teung.Chin@ars.usda.gov]
Subject: Re: Pesticide Working Group - Meeting Notes and Updated Catalog
Attachments: NMFS Proposal for Developing Usage Criteria 3-26-18.docx

Thanks Diann, attached is the criteria document I referred to that was shared by NMFS at the March 27, 2018 usage meeting.

Tony

On Tue, May 15, 2018 at 11:16 AM, Sims, Diann <Sims.Diann@epa.gov> wrote:

All,

Please see attachment for the EPA's data quality criteria for secondary data (shared on 3/27/18).

From: Sims, Diann
Sent: Tuesday, March 27, 2018 9:34 AM
To: 'Hill2, Elizabeth - ARS' <Elizabeth.Hill2@ARS.USDA.GOV>; Stilson, Ashley <ashley_stilson@fws.gov>; Kunickis, Sheryl - OSEC <Sheryl.Kunickis@osec.usda.gov>; Paisley-Jones, Claire <Paisley-Jones.Claire@epa.gov>; Shultz, Gina <gina_shultz@fws.gov>; cathy.tortorici@noaa.gov; david epstein <David.Epstein@ARS.USDA.GOV>; Perry, Tracy <Perry.Tracy@epa.gov>; Miller, Wynne <Miller.Wynne@epa.gov>; tony.hawkes@noaa.gov; Becker, Jonathan <Becker.Jonathan@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; George Noguchi <george_noguchi@fws.gov>; Nancy Golden <nancy_golden@fws.gov>; Garber, Kristina <Garber.Kristina@epa.gov>; Myers, Clayton - ARS <Clayton.Myers@ARS.USDA.GOV>; Chin, Teung <Teung.Chin@ARS.USDA.GOV>
Subject: RE: Pesticide Working Group - Meeting Notes and Updated Catalog

Good Morning Everyone,

Please find attached EPA's edits to the usage resources spreadsheet and an overview of our data quality guidance for secondary data. We look forward to this afternoon's discussion.

From: Stilson, Ashley [mailto:ashley_stilson@fws.gov]
Sent: Thursday, March 22, 2018 5:20 PM

To: Kunickis, Sheryl - OSEC <Sheryl.Kunickis@osec.usda.gov>; paisley-jones.claire@epa.gov; Gina Shultz <gina_shultz@fws.gov>; cathy.tortorici@noaa.gov; Epstein, David <David.Epstein@ARS.USDA.GOV>; perry.tracy@epa.gov; Hill2, Elizabeth - ARS <Elizabeth.Hill2@ARS.USDA.GOV>; Sims.Diann@epa.gov; miller.wynne@epa.gov; tony.hawkes@noaa.gov; becker.jonathan@epa.gov; echeverria.marietta@epa.gov; George Noguchi <george_noguchi@fws.gov>; Nancy Golden <nancy_golden@fws.gov>; garber.kristina@epa.gov
Subject: Pesticide Working Group - Meeting Notes and Updated Catalog

Good afternoon all,

Please find attached the meeting notes from the March 20th meeting, including next week's agenda, and the updated Usage Data Catalog.

--

Ashley Stilson

Special Assistant to the Deputy Assistant Director

Knauss Fellow 2018

Ecological Services

U.S. Fish and Wildlife Service

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Falls Church, VA 22041-3803

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--

Tony Hawkes, PhD

National Marine Fisheries Service
Office of Protected Resources
510 Desmond Drive SE Suite 103
Lacey, WA 98503

Telephone: (360) 753-4374
tony.hawkes@noaa.gov

Message

From: Ashfield, Patrice [patrice_ashfield@fws.gov]
Sent: 5/21/2018 9:23:50 PM
To: Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Shultz, Gina [gina_shultz@fws.gov]; Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]; Perry, Tracy [Perry.Tracy@epa.gov]; Kunickis, Sheryl [Sheryl.Kunickis@ars.usda.gov]; Ashley Stilson [ashley_stilson@fws.gov]; cathy.tortorici@noaa.gov; Sims, Diann [Sims.Diann@epa.gov]; Miller, Wynne [Miller.Wynne@epa.gov]
Subject: Second Review of the Draft Task List and Timeline
Attachments: milestones_timeline_interagency_usage_05212018 FWS and NMFS edits.docx

Dear All-
Please find FWS and NMFS edits in the attached spreadsheet.

Thanks!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Shultz, Gina [gina_shultz@fws.gov]
Sent: 4/18/2018 2:23:38 PM
To: Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]
CC: lois_wellman@fws.gov; Patrice Ashfield [patrice_ashfield@fws.gov]; George Noguchi [george_noguchi@fws.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Perry, Tracy [Perry.Tracy@epa.gov]
Subject: Re: [EXTERNAL] Agenda? Invitation: OP Pesticide Consultation Meeting @ Thu Apr 19, 2018 3:30pm - 4:30pm (EDT) (guilaran.yu-ting@epa.gov)
Attachments: 04192018_Agenda.docx

Thank you for the reminder. I meant to send this out yesterday. Feel free to provide comments back or we can discuss tomorrow morning.

*Gina Shultz
Deputy Assistant Director, Ecological Services
U.S. Fish and Wildlife Service
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-1985*

On Wed, Apr 18, 2018 at 9:55 AM, Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov> wrote:

Hi Gina

Just want to follow up from last Thur's call and see if you have an agenda for tomorrow's registrant meeting? We will see you in the falls church office hopefully a little before 3:30. Thanks.

Regards,

Yu-Ting Guilaran, P.E.

Director

Pesticide Re-evaluation Division (PRD)

Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

(tel) 703 308 0052

(fax)703 308 8005

Mail code 7508P

Room number PY S9623

-----Original Appointment-----

From: Gina_Shultz@fws.gov [mailto:gina_shultz@fws.gov]

Sent: Monday, April 09, 2018 10:12 AM

To: paul.whatling@fmc.com; aldos.barefoot@fmc.com; rsrichardson@wileyrein.com; Patrice Ashfield; George Noguchi; mark.hough@adama.com; dweinberg@wileyrein.com; Miller, Wynne; Echeverria, Marietta; Patrick Havens; Guilaran, Yu-Ting; Nancy Golden; groliiver@dow.com; laura.phelps@adama.com

Subject: Invitation: OP Pesticide Consultation Meeting @ Thu Apr 19, 2018 3:30pm - 4:30pm (EDT) (guilaran.yu-ting@epa.gov)

When: Thursday, April 19, 2018 3:30 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada)

Where: MIB - Conference Room 3038 (Conference line - **Conference Line/Code / Ex. 6**)

more details »

OP Pesticide Consultation Meeting

When Thu Apr 19, 2018 3:30pm – 4:30pm Eastern Time

Where MIB - Conference Room 3038 (Conference line: **Conference Line/Code / Ex. 6**) ([map](#))

Video call https://hangouts.google.com/hangouts/_/doi.gov/gina-shultz

Calendar guilaran.yu-ting@epa.gov

Who

- Gina_Shultz@fws.gov - organizer
- lois_wellman@fws.gov - creator
- paul.whatling@fmc.com
- aldos.barefoot@fmc.com
- rsrichardson@wileyrein.com
- patrice_ashfield@fws.gov
- george_noguchi@fws.gov
- mark.hough@adama.com
- dweinberg@wileyrein.com
- miller.wynne@epa.gov
- echeverria.marietta@epa.gov
- phavens@dow.com
- guilaran.yu-ting@epa.gov
- nancy_golden@fws.gov
- groliiver@dow.com
- laura.phelps@adama.com

MIB - Main Interior Building

1849 C Street, NW

Washington, DC 20240

POC - Lois Wellman at 202-208-4646

Please bring valid ID for security clearance

Going? **Yes** - **Maybe** - **No more options »**

Invitation from Google Calendar

You are receiving this courtesy email at the account guilaran.yu-ting@epa.gov because you are an attendee of this event.

To stop receiving future updates for this event, decline this event. Alternatively you can sign up for a Google account at <https://www.google.com/calendar/> and control your notification settings for your entire calendar.

Forwarding this invitation could allow any recipient to modify your RSVP response. [Learn More](#).

Message

From: Ashfield, Patrice [patrice_ashfield@fws.gov]
Sent: 2/27/2018 2:41:45 PM
To: Echeverria, Marietta [Echeverria.Marietta@epa.gov]; cathy.tortorici@noaa.gov; Sheryl Kunickis [Sheryl.Kunickis@osec.usda.gov]
CC: Shultz, Gina [gina_shultz@fws.gov]
Subject: Slide Deck from the Usage Workshop
Attachments: Applying_usage_2-26-18 EPA.pptx; caracara_example EPA.pptx; Diazinon usage slides_Feb 26 meeting FWS.pptx; Increasing our understanding of geographic specificity_2-26-18_draft EPA.pptx; Non_Agricultural Use Slides_2_25_2018_FINAL FWS.pdf; Pesticide Usage Data Sources Overview_2-23-18 EPA.pdf

Dear All-

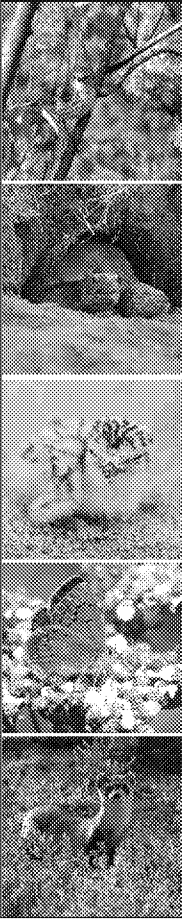
Sorry for the confusion, but pls use this group of PP presentations to share with your folks. We will circle up with the EPA workgroup (once they are assigned) with our PP on proposed methodology.

Thanks,
patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office



Deliberative Process / Ex. 5

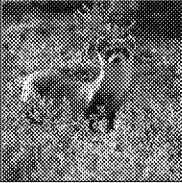


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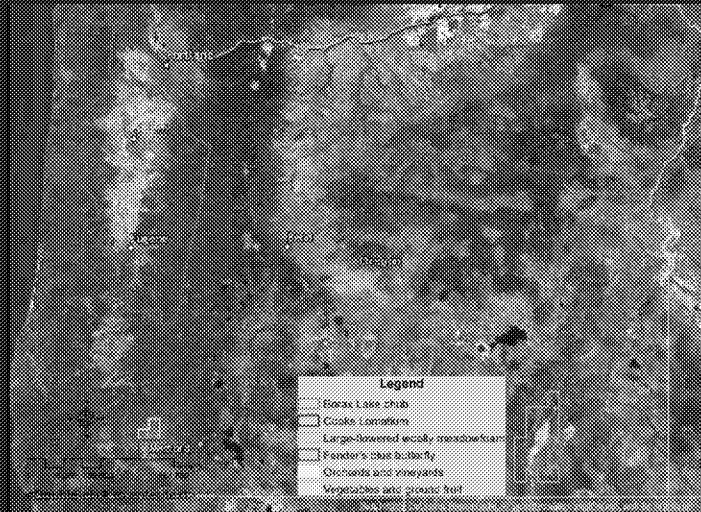
Deliberative Process / Ex. 5



Crop	% crop treated
Apples	38
Cherries	8
Hazelnut	0
Pears	0.4
Beans	0
Blueberries	17
Caneberries	15
Cranberries	27
Onions	1
Potatoes	0
Pumpkins	0
Squash	0
Strawberries	0

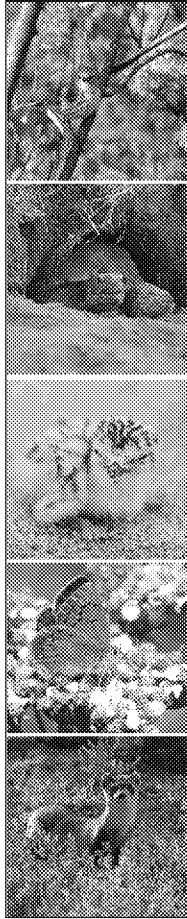


Example



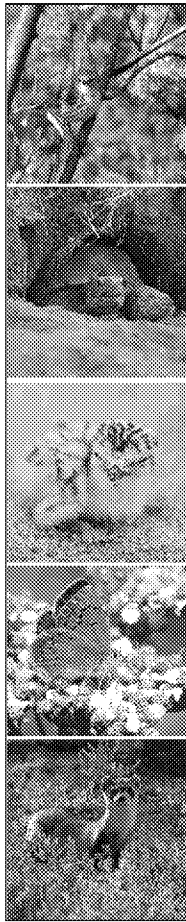
Diazinon use sites and species ranges: Oregon

Deliberative Process / Ex. 5



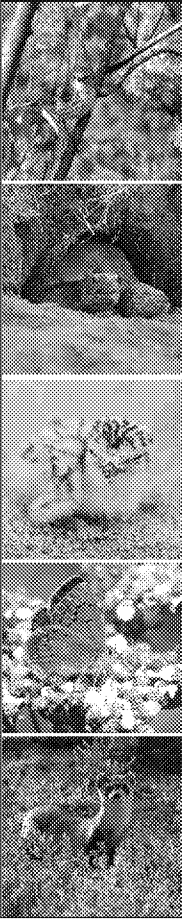
Surveyed crops in Oregon

Crop	Use category	Acres harvested (NASS)	max PCT	Acres treated
Apples	orchards and vineyards	5515	38.0%	2096
Beans	veg and ground fruit	13436	0.0%	0
Blueberries	veg and ground fruit	9493	17.0%	1614
Caneberries	veg and ground fruit	9665	15.0%	1450
Cherries	orchards and vineyards	16518	8.0%	1321
Cranberries	veg and ground fruit	3061	27.0%	826
Hazelnut	orchards and vineyards	37097	0.0%	0
Onions	veg and ground fruit	20457	1.0%	205
Pears	orchards and vineyards	14881	0.4%	60
Potatoes	veg and ground fruit	41667	0.0%	0
Pumpkins	veg and ground fruit	2189	0.0%	0
Squash	veg and ground fruit	2933	0.0%	0
Strawberries	veg and ground fruit	2121	0.0%	0
TOTAL		74011	O&V	3477
		105022	V&GF	4095



Non-surveyed crops that are grown in Oregon

Crop	Use category	Acres harvested (NASS)	Highest Max PCT for surveyed crops	Estimated Acres treated
Dry beans	veg and ground fruit	10742	0.27	2900
Broccoli	veg and ground fruit	1636	0.27	442
Cabbage	veg and ground fruit	702	0.27	190
Carrots	veg and ground fruit	823	0.27	222
Cauliflower	veg and ground fruit	1600	0.27	432
Cucumbers	veg and ground fruit	742	0.27	200
Lettuce	veg and ground fruit	255	0.27	69
Peppers	veg and ground fruit	635	0.27	171
Spinach	veg and ground fruit	407	0.27	110
Figs	orchard and vineyards	12	0.38	5
Tomatoes	veg and ground fruit	431	0.27	116
Sweet potato	veg and ground fruit	9	0.27	2
Watermelon	veg and ground fruit	898	0.27	242
Apricots	orchard and vineyards	49	0.38	19
Peaches	orchard and vineyards	722	0.38	274
Plums/prunes	orchard and vineyards	1446	0.38	549
TOTAL		2229	O&V	847
		18880	V&GF	5098

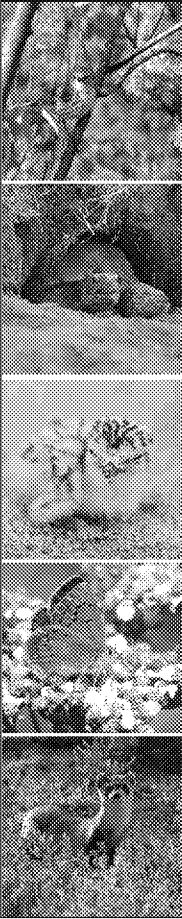


Oregon example

Est. Total acres of Orchards and vineyards treated with diazinon	4324
Est. total acres of Vegetables and ground fruit treated with diazinon	9192

Vegetables and ground fruit					
Species	Species Range (acres)	Overlap	Overlap acres	Total estimated acres treated in Oregon	Overlap acres that could be treated in species range
Species A	4,874,781	1.31%	63,860	9,192	9,192
Species B	303,067	0.15%	455	9,192	455

Deliberative Process / Ex. 5



Oregon example

Orchards and vineyards					
Species	Species Range (acres)	Overlap	Overlap acres	Total estimated acres treated in Oregon	Overlap acres that could be treated in species range
Species A	4,874,781	0.920%	44,848	4,531	4,531
Species B	303,067	0.001%	4	4,531	4

Message

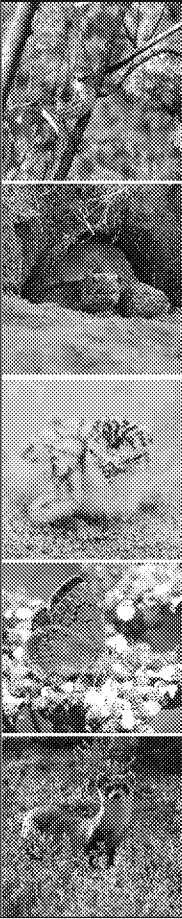
From: Paul, Keith [keith_paul@fws.gov]
Sent: 2/27/2018 1:44:42 PM
To: Echeverria, Marietta [Echeverria.Marietta@epa.gov]; cathy.tortorici@noaa.gov; Kunickis, Sheryl [Sheryl.Kunickis@ars.usda.gov]
Subject: Presentations from yesterday's workshop (1 of 2)
Attachments: Applying_usage_2-26-18.pptx; caracara_example.pptx; Diazinin usage slides_Feb 26 meeting.pptx; Increasing our understanding of geographic specificity_2-26-18_draft.pptx

Please forward to appropriate staff.

Thanks

Keith A Paul
U.S. Fish and Wildlife Service Headquarters
Ecological Services, MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
Phone: (703) 358-2675
Fax: (703) 358-1800





Data Presented in Diazinon Usage Summary Report

- National data
 - For each crop reports avg. annual pounds AI applied, average annual total acres treated, average AI rate (lb AI/acre), max labeled rate (lb AI/acre)
- State-level data
 - For each crop: reports annual average crop acres grown, annual average lbs AI applied per state, min annual percent crop treated (PCT), max annual PCT, and avg. annual PCT at the state level.

National Data

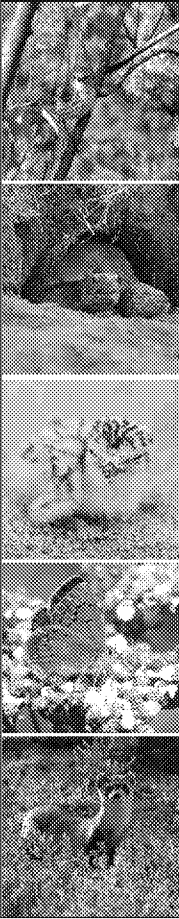
Table 1. National Diazinon Agricultural Usage by Crop. Data Averaged Over Reported Years.

Crop	Survey Status	Avg. Annual Pounds AI Applied*	Avg. Annual Total Acres Treated†	Avg. AI Rate (lb AI/A)	Max Labeled Rate (lb AI/A)
Almonds	MRD (2010-2014)	3,780	2,016	1.87	3.0
Apples	MRD (2010-2014)	26,030	22,900	1.14	2.0
Apricots	MRD (2010-2014)	Insufficient number of reports to establish an estimate.			2.0
Beans (Snap, Bush, Pole, String)	MRD (2010-2014)	Insufficient number of reports to establish an estimate.			4.0

State-level Data

Table 2. Diazinon Agricultural Usage by Crop and State.

Crop	Survey Status	State	Avg. Annual Crop Acres Grown ^a	Avg. Annual Total Lbs. AI Applied	Min. Annual PCT	Max. Annual PCT	Avg. Annual PCT
Almonds	MRD (2010-2014)	California	947,400	3776	0	0.5	0.2
Apples	MRD (2010-2014)	Virginia	13,200	1,670	0	53	21
		California	18,700	4,117	7	31	16
		Pennsylvania	23,600	4,612	5	24	15
		Washington	164,000	14,627	1	10	5
		Oregon	5,400	(S)	0	38	8
		New York	49,200	724	0.2	3	2
		Ohio	5,000	(S)	0	2	0.3
		Michigan	44,000	(S)	0	0.2	0.05
		NC, WV	Surveyed but no usage reported				
Apricots	MRD (2010-2014)	California	10,800	(S)	0	11	3
Beans (Snap, Bush, Pole, String)	MRD (2010-2014)	California	9,500	(S)	0	3	0.6
		New York	26,800	(S)	0	0.9	0.2
		FL, GA, IL, ID, MI, NC, OR, PA, TN, TX, WI	Surveyed but no usage reported				
	MRD						



Nurseries

- Data reported for nurseries
 - State, average annual total lbs. AI applied, percent of operations 2006, percent of operations 2009

Non-Agricultural Usage:

Table 3. Diazinon Non-Agricultural Usage by Site. 2009.

Crop	Survey Status	State	Avg. Annual Total Lbs. AI Applied	Percent of Operations 2006	Percent of Operations 2009
Ornamentals grown in outdoor nurseries (trees, bushes, herbs, nonflowering plants, flowers, shrubs, vines)	NASS (2006, 2009)	California	--	11	23
		Florida	--	3	3
		Pennsylvania	--	3	3
		Oregon	--	5	1
		Texas	--	14	1
		Michigan	--	2	Insufficient number of reports to establish an estimate.
Cattle	Not Surveyed				

Diazinon usage data (max PCT) for vegetables and ground fruit: by state (36) and crop (22)

		STATE																																			
CROP	Category	A	A	C	C	C	D	F	G	I	I	M	M	M	M	M	N	N	N	N	N	O	O	O	P	S	T	T	V	W	W	W					
		L	Z	A	O	T	E	L	A	D	L	N	A	D	E	I	N	O	S	T	C	D	E	J	M	Y	H	K	R	A	C	N	X	A	I	Y	
Beans	veg			3				0	0	0	0			0			0				0.9		0	0		0	0			0							
Blueberries	Veg							25						*			*			19			17							47							
Broccoli	Veg			8																																	
Cabbage	Veg		0	3	0			12	0					4			0				33							74			0						
Cantaloupes	Veg		0	35				6	0	0							0											57									
Caneberries	Veg			10																				15							10						
Carrots	Veg			22										0																33	49	0					
Cauliflower	Veg		28	4																																	
Cranberries**	Veg											57							8			27									44	58					
Cucumbers	Veg			11				5	0				0	0	0		0									0	0		0	0							
Dry beans	Veg			6	0					0				0	0	0			0	0		0						0	0		0			0			
Honeydew	Veg			0	0																							0									
Lettuce	Veg			0	20																																
Lima Beans	Veg			21			0		0		0															0					0	0					
Onions	Veg			27	8				0	0												12		1				82		10							
Peppers	Veg			0	2			1	0								0			21	0		0					0									
Potatoes	Veg			0	0			0		0.4				0	0	0		0	0	0	0		0		0	0	0	0	0	0	0	0	0				
Pumpkins	Veg			2		0				0	0	0	0		1	0	0				23	0	0	0	0	0	0	0	0	0	0	0	0				
Spinach	Veg			0	10	0														78			34							100							
Squash	Veg			16		0		12	6			0		0			0			3		1	0		0	9	0	0	5			0					
Strawberries	veg			14				35						0								0			0	4					24						
Tomatoes	Veg			3				27																													
Watermelon	veg		0	0	19			2	0	0						0	0	0					0			0			33								
tot # crops surveyed	23	1	8	21	5	2	1	10	10	7	3	1	3	2	1	10	3	4	1	1	9	2	2	6	2	8	3	2	9	5	4	3	14	2	11	9	1
* insufficient # of reports to establish an estimate		** no Max Annual PCT- this is Avg. Annual PCT																																			

Diazinon usage data for orchards and vineyards (max PCT):
by state (16) and crop (8)

CROP	Category	STATE															
		AL	CA	GA	IL	MI	NC	NJ	NY	OH	OR	PA	SC	TX	VA	WA	WV
Almonds	orchard		0.5														
Apples	orchard		31			0.2	0		3	2	38	24			53	10	0
Apricots	orchard		11														
Cherries	orchard		45			0					8					5	
Hazelnut	orchard										0						
Peaches	orchard	0	11	0	0	0		0				19	0	19		0	
Pears	orchard		16								0.4					0	
Plums/Prunes	orchard		4														
tot # crops surveyed		8	1	7	1	1	3	1	1	1	1	4	2	1	1	4	1

Crops not surveyed nationally

Swiss chard	parsley
red beet	sweet potato
radishes	ginseng
Chinese cabbage	peas
Chinese radish daikon	rutabagas
collards	turnips
endive	parsnips
kale	pineapples
mustard greens	brussel sprouts
figs	garlic
nectarines	

Agricultural and non-agricultural uses for chlorpyrifos and malathion

Chlorpyrifos

Agricultural crops (usage data for some/all crops in category)

Corn	Cotton	Soybeans	Wheat	Vegetables and Ground Fruit	Orchards and Vineyards	Other Grains	Other RowCrops	Other Crops	Pasture
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Non-agricultural uses (no usage data)

Nurseries	Developed	Managed Forests	Open Space Developed	Right of Way	Christmas Trees	Golf Courses	Mosquito Control	Wide Area Use
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Malathion

Agricultural crops (usage data for some/all crops in category)

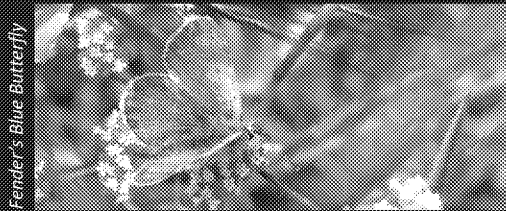
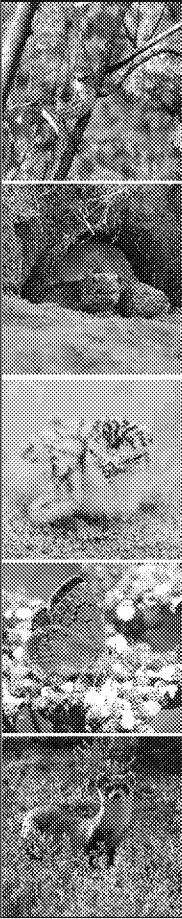
Corn	Cotton	Rice	Wheat	Vegetables and Ground Fruit	Orchards and Vineyards	Other Grains	Other RowCrops	Other Crops	Pasture
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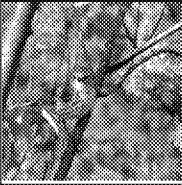
Non-agricultural uses (no usage data)

Developed	Nurseries	Open Space Developed	Pine seed orchards	Christmas Trees	Mosquito Control
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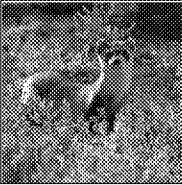
Application of data at state level: Challenges and information needs

- Geographic specificity of data
- Crops surveyed
- Number of growers responding per state



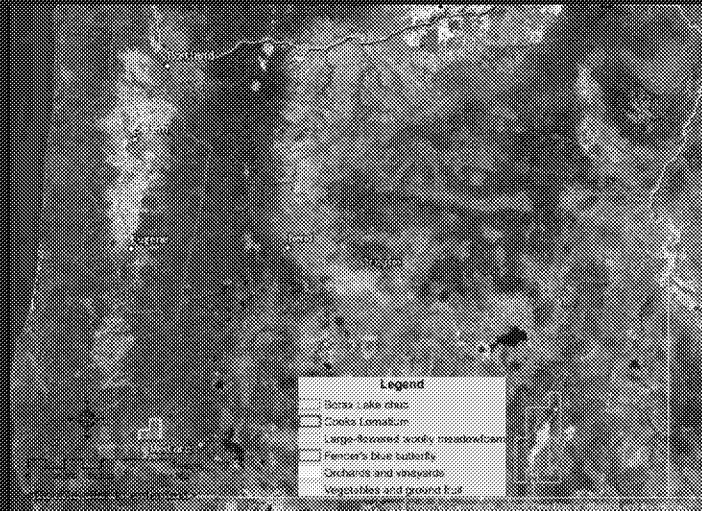


Crop	% crop treated
Apples	38
Cherries	8
Hazelnut	0
Pears	0.4
Beans	0
Blueberries	17
Caneberries	15
Cranberries	27
Onions	1
Potatoes	0
Pumpkins	0
Squash	0
Strawberries	0

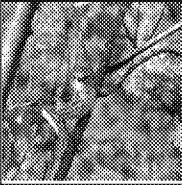


Geographic specificity

- Species ranges at county level or more refined; usage data not spatially explicit beyond the state level



Diazinon use sites and species ranges: Oregon

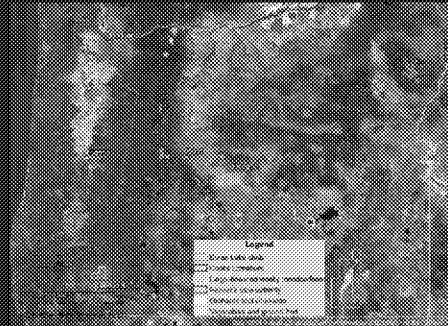


Crops surveyed

- Represents a subset of the crops for which diazinon is registered

Information needed:

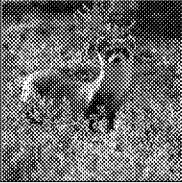
- List of diazinon-registered crops grown in state
- Acreage for each crop

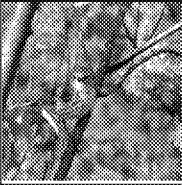


Crop	% crop treated
Apples	38
Cherries	8
Hazelnut	0
Pears	0.4
Beans	0
Blueberries	17
Caneberries	15
Cranberries	27
Onions	1
Potatoes	0
Pumpkins	0
Squash	0
Strawberries	0

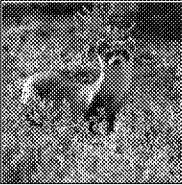
Based on 2012 NASS data:

- 29 crop types grown in state for which diazinon is registered
- 13 crop types were surveyed
- No usage data for 16 crop types





Crop	% crop treated
Apples	38
Cherries	8
Hazelnut	0
Pears	0.4
Beans	0
Blueberries	17
Caneberries	15
Cranberries	27
Onions	1
Potatoes	0
Pumpkins	0
Squash	0
Strawberries	0

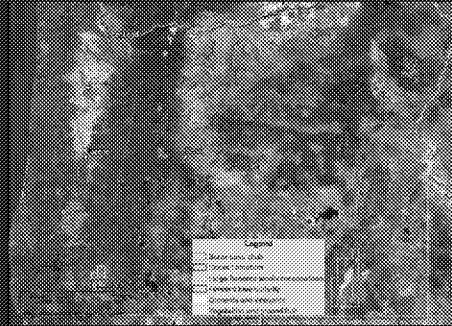


Number of growers responding per state

- Represents a subset of pesticide acreage and users

Information needed:

- How many acres/growers per state
- How many responded to surveys



Based on 2012 NASS data:

- Potatoes, 0 PCT (616 farms, 41,667 acres)
- Hazelnuts, 0 PCT (827 farms, 37,097 acres)
- Extreme Max PCT nationwide: 100 PCT for spinach in TX (100 farms, 2131 acres)

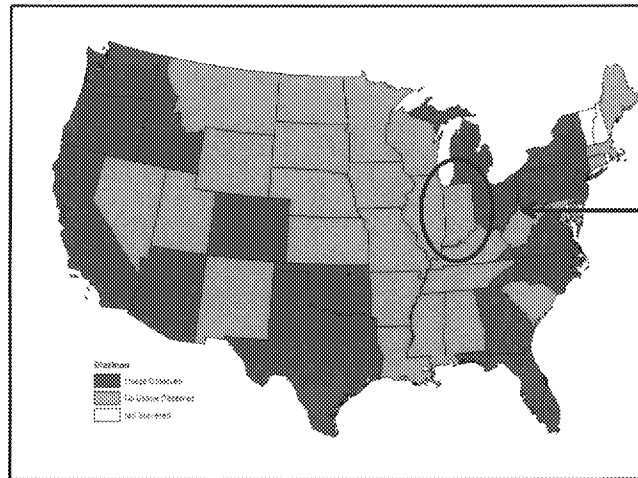
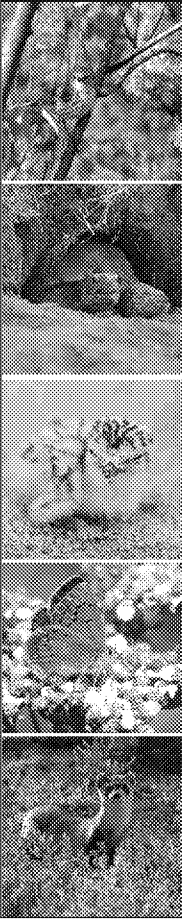
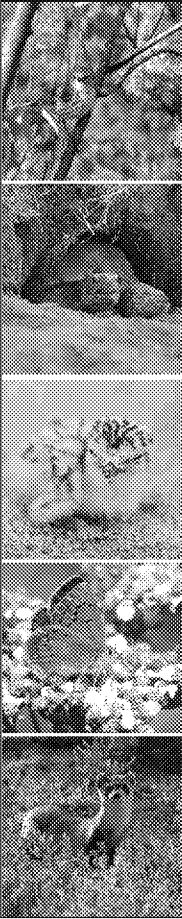


Figure 2. States with observed Diazinon usage (2010-2014).

Source: Market Research Data (MRD) 2010-2014

*AK, HI, and US Territories are not surveyed.

Several states were categorized as “No usage observed”



Indiana – “no usage observed”

- Crops surveyed in Indiana
 - 1 crop (pumpkins: 469 farms, 3518 acres; 2012 NASS)
 - Unknown how many farms/acres surveyed
- Crops grown in Indiana (2012 NASS)
 - Vegetables and ground fruit – 32 crops
 - Orchards and vineyards – 8 crops
 - Nurseries
 - Total acreage = 35,005 acres (+ nurseries)
- % of acreage not surveyed $\geq 90\%$

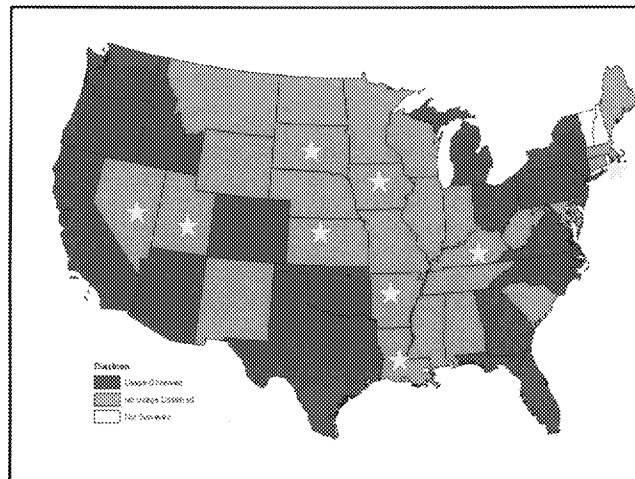
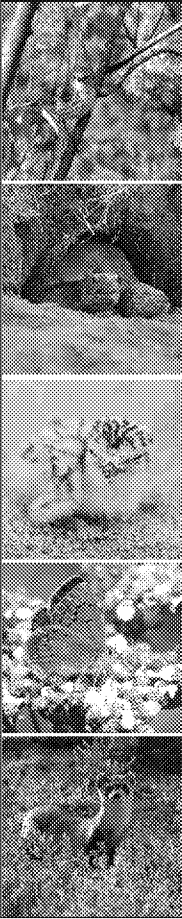


Figure 2. States with observed Diazinon usage (2010-2014).

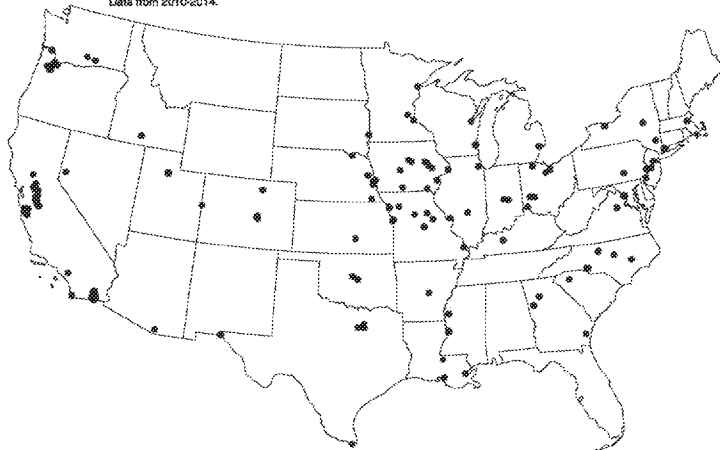
Source: Market Research Data (MRD), 2010-2014

*AK, HI, and US Territories are not surveyed.

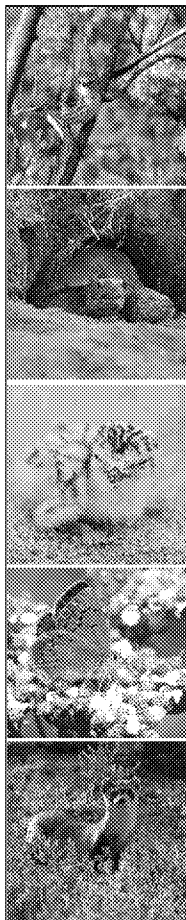
Some states labeled "no usage observed" appear to not be surveyed for any diazinon-registered crops

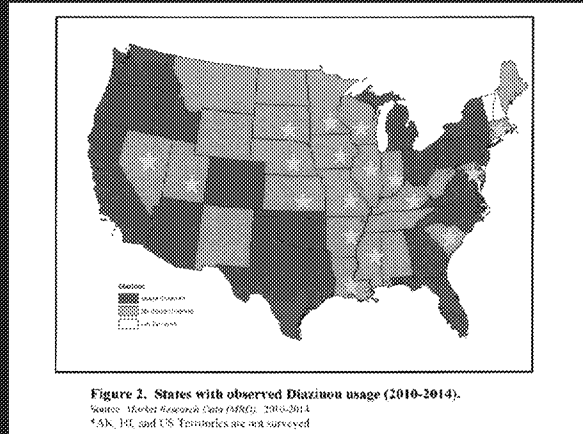
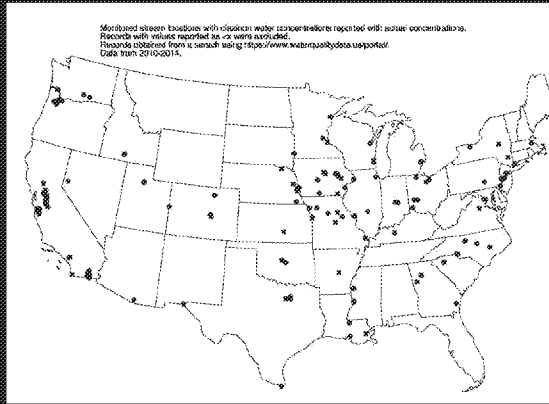
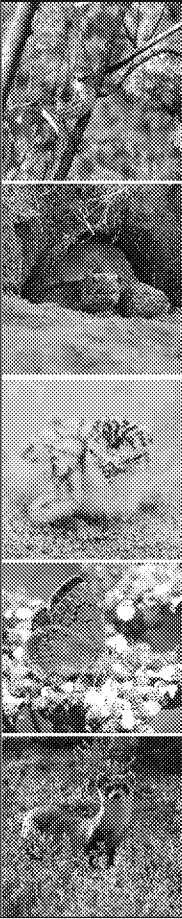
Diazinon detection in streams 2010-2014

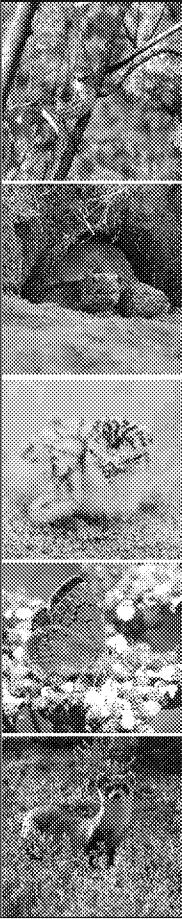
Monitored stream locations with diazinon water concentrations reported with actual concentrations.
Records with values reported as < or were excluded.
Records obtained from a search using <https://www.waterqualitydata.us/portal/>.
Data from 2010-2014.



Ambient water quality data obtained from National Water Quality Monitoring Council
<https://www.waterqualitydata.us/portal/>







California Pesticide Use Reporting (PUR)

California PUR data more robust

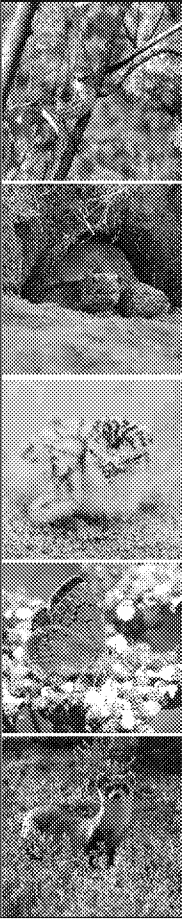
- Mandatory reporting for agricultural crops
 - Broad legal definition of "agricultural use" including parks, golf courses, rangeland, pastures, and rights-of-way
- Primary exceptions to reporting requirements:
 - Home and garden uses
 - Industrial and institutional uses
- Geographic specificity to 1 sq mile
- Self-reporting

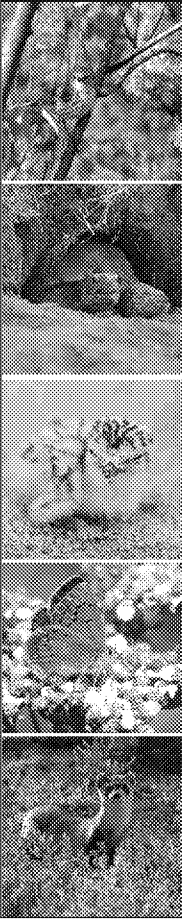


Discussion Questions

Deliberative Process / Ex. 5

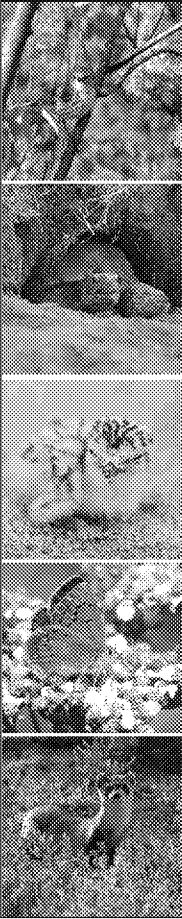
End





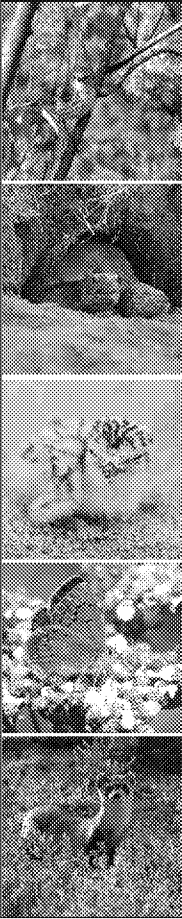
Diazinon Usage Summary Report Background

- EPA BEAD (Biological and Economic Analysis Division) relied on five years of data (2010 – 2014) from three data sources, i.e. Market Research Data (MRD), USDA National Agricultural Statistics Service (NASS), and California Department of Pesticide Regulation (Cal DPR) , to inform assumptions about where diazinon is used in the US.
- Most of the usage information is based on MRD data.
- Surveys are conducted for market research purposes



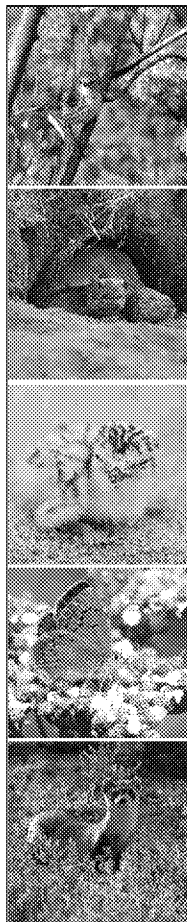
MRD data

- MRD data, licensed from GfK Kynetec, are proprietary.
 - Data were averaged and rounded so that the presented information is not proprietary
 - Data are projected at the state level
 - Survey design targets at least 80% of US acreage/production of the surveyed commodities.
 - Provides usage data for about 60 agricultural crops for all chemicals (28 reported for diazinon)
 - Sampling drawn from previous participant list and outside lists (e.g. members of crop-based organizations)
 - Surveys are voluntary



Is the data predictive?

Deliberative Process / Ex. 5



Oregon Agriculture Regions

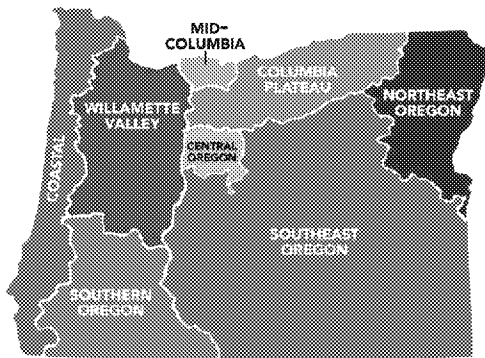
Oregon Department of Agriculture | www.oregon.gov/OORA | info@oda.state.or.us

SOUTHWEST OREGON
Perhaps the most diverse agricultural region on earth, this region produces more than 170 different crops including grain, hay, grass seed and especially seeds of all kinds. Progn and processed vegetables, tree fruits, berries, hazelnuts, wine grapes, and hops are grown in the valley, too, along with nursery products. Christmas trees, dairy and beef cows, as well as poultry.

NORTHWEST OREGON
Marked in among the foothills and northern valleys of Mt. Hood, this mountainous area is famous for its high quality tree fruit. Hood River traditionally grows more peaches than any other area of the country. Sweet cherries prosper in the region. Apple trees are plentiful with color production a growing trend.

CENTRAL OREGON
This is Oregon's principal wheat production area. Irrigation along the Columbia River has transformed what was once scrubland and desert into some of the nation's most productive farmland where you can find potatoes, onions, a variety of vegetables for processing, pumpkins, tree fruit, and alfalfa. One of the nation's largest dairies is located in the region as well.

SOUTHEAST OREGON
Beef cattle, hay, potatoes, and mint grow in this scenic area of the state. But the most intensive production is found in the Willamette Valley along the delta border where much of the nation's onion production takes place. Other important crops include sugar beets and a variety of vegetables.



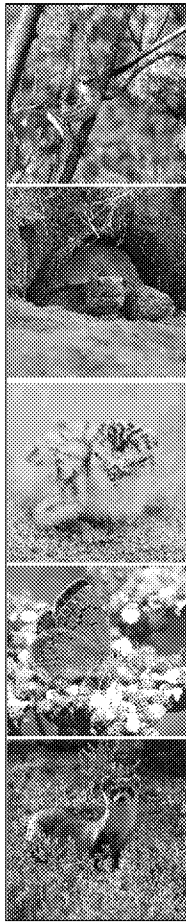
COASTAL OREGON
The bounty of the Pacific is found here in fish, oysters, and a delicious menu that includes salmon, halibut, Dungeness crab, mussels, clams and more. Coastal dairy farms are famous for their cheeses. Specialty crops in this region include cranberries and log berries.

COLUMBIA PLATEAU
Sheep and cattle graze in open meadows. Key areas of this region. The Rogue River Valley produces pears and apples, high quality tree fruit. Wine production is coming on strong. The Willamette Basin is home to beef cattle, alfalfa and other hay varieties, and lots of potatoes.

SOUTHWEST OREGON
Tucked in the middle of the state, this smaller seasonal region produces a variety of specialty seed crops, in go along with garlic, trapp, and beef cattle. An increasing urban population in Deschutes has led to a growth in local production of fresh vegetables.

NORTHEAST OREGON
The livestock industry dominates this region. Most of Oregon's cattle graze on thousands of acres of private and federal rangelands. Because of low rainfall, most hay fields and pastures must be irrigated. Winter crops include alfalfa, potatoes, and sugar beets.

Updated 3/2019



States with no usage data for diazinon

State	Vegetables (acres)*	Berries (acres)	Non-citrus fruit (acres)
AK	1,092	39	21
AR	10,960	893	2,006
IA	7,647	679	2,974
KS	7,074	185	1,037
KY	7,196	866	2,296
LA	12,010	816	682
HI	8,269	0	16,778
NH	3,789	1,068	1,806
NV	12,006	20	473
RI	2,217	339	378
SD	838	68	366
UT	5,999	383	7,846
VT	3,699	749	2,316

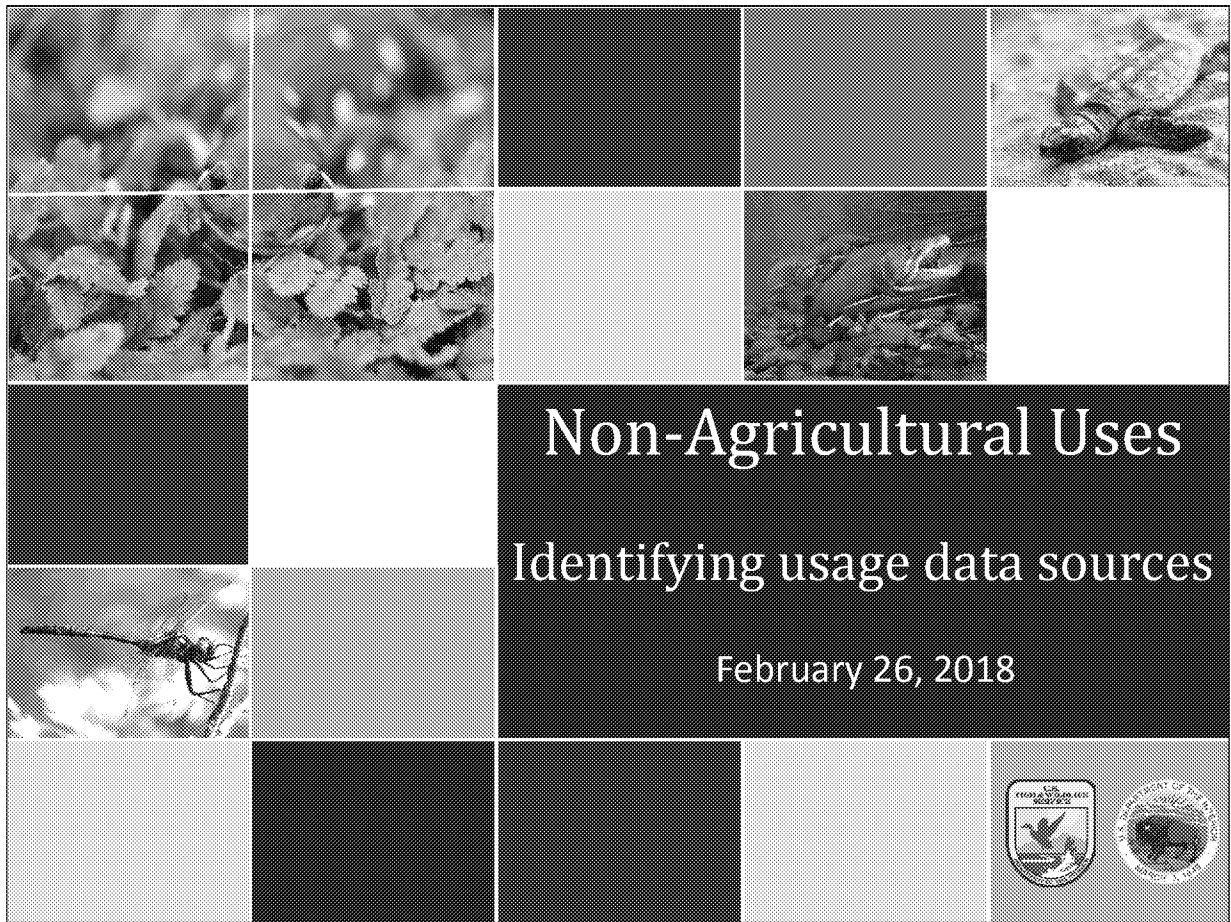
*Total harvested acres, 2012 NASS data

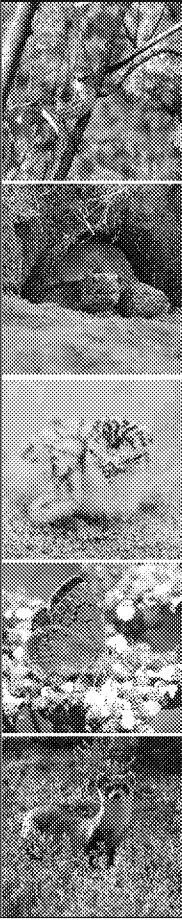
Most likely these states were surveyed for other crops, but none where diazinon was registered for use. "No reported usage" for diazinon, but no surveys for crops for which diazinon could be used.

Message

From: Paul, Keith [keith_paul@fws.gov]
Sent: 2/27/2018 1:44:53 PM
To: Echeverria, Marietta [Echeverria.Marietta@epa.gov]; cathy.tortorici@noaa.gov; Kunickis, Sheryl [Sheryl.Kunickis@ars.usda.gov]
Subject: Presentations from yesterday's workshop (2 of 2)
Attachments: Non_Agricultural Use Slides_2_25_2018_FINAL.pptx; Questions slides for usage meeting_final.pptx; Use of usage data_Feb 26 usage meeting.pptx; Pesticide Usage Data Sources Overview_2-23-18.pdf

Keith A Paul
U.S. Fish and Wildlife Service Headquarters
Ecological Services, MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
Phone: (703) 358-2675
Fax: (703) 358-1800



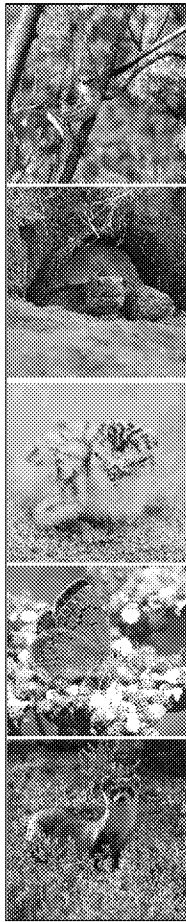


Non-Agricultural Uses

Goal

- To identify potential sources of usage data for non-agricultural applications, a process for obtaining the data, and a path forward if there are no data.

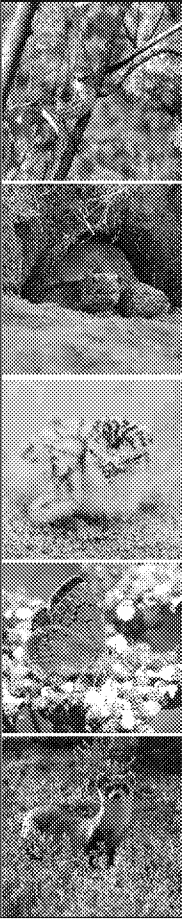
Good morning, let's now turn to non-agricultural uses of these Ops. The following few slides will help set the stage for our group discussion.



Non-Agricultural Uses

- Nurseries
- Wide-area use
- Managed forest
- Pasture
- Right-of-way
- Developed and open-space developed
- Golf courses
- Mosquito adulticide
- Other products
 - seed treatment
 - granular
 - bait

Refresh everyone's memory of what non-ag uses are for these 3 OPs. This is very quick.

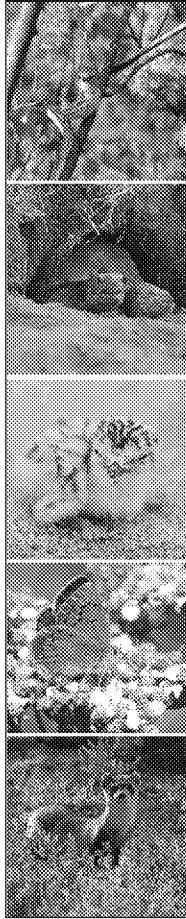


Background

- The BEAD usage data does not include most non-agricultural uses.
- Some labels allow for high application rates and/or unrestricted frequency of application.
- Non-agricultural uses can have high overlap with species ranges.

But it does include some nursery information from 6 states.

Deliberative Process / Ex. 5



Example Species

Yellow-billed Cuckoo (*Coccyzus americanus*)

- Managed forest = 16.4% overlap (chlorpyrifos)
- Pasture = 9% (malathion)



Overlap with CDL Layers:

Chlorpyrifos comprises 16.4% range overlap with managed forest but the cuckoo's range also overlaps with adulticide, wide area use, cattle eartag, pasture, right of way, developed, and open space developed. The extent of overlap ranges from <1 - 16.43% per use,

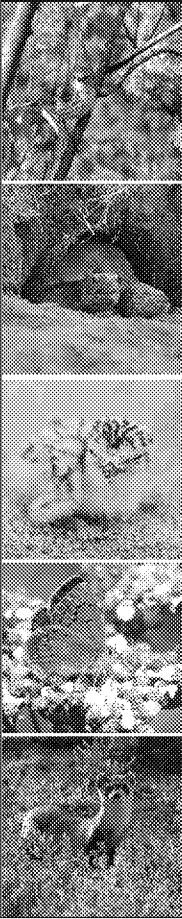
Deliberative Process / Ex. 5

Malathion: The following malathion use categories overlap with the Yellow-billed cuckoo range: mosquito control, pasture, developed, open space developed. All uses overlap 2% or less with the cuckoo's range,

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Diazinon (no managed forest): The following diazinon use categories overlap with the Yellow-billed cuckoo range: nurseries (<1% overlap per use) and cattle ear tag (47% overlap).



Example Species

Red Hills salamander (*Phaeognathus hubrichti*)

- Managed forest = 31% (chlorpyrifos)



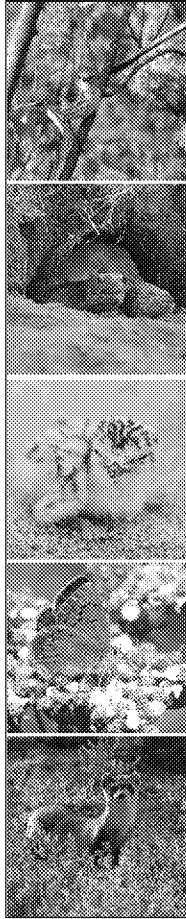
Chlorpyrifos: Managed forests (31%), Cattle ear tag (4%), and m

Deliberative Process / Ex. 5

Malathion: Pasture (1%);

Deliberative Process / Ex. 5

Diazinon: **Deliberative Process / Ex. 5**



Example Species

Coastal California gnatcatcher (*Poliioptila californica californica*)

- Right-of-way = 32.3% (chlorpyrifos)
- Developed = 29% (malathion)
- Pasture = 13% (malathion)
- Open space developed = 11% (malathion)



Photo: Bob Steele/Minden

Small insectivorous bird that is non-migratory. Resides in the highly fragmented and urbanized so. Calif. Other non-ag uses that overlap the CAGN range include: adulticide, wide area use, right of way, developed, pasture, cattle eartag, open space developed, managed forests, golf courses for chlorpyrifos.

Chlorpyrifos (ROW overlap is 32.29%): The following chlorpyrifos use categories overlap with the Coastal California gnatcatcher range: The extent of overlap ranges from <1 – 32.29% per use, with the exception of mosquito control and wide area use.

Deliberative Process / Ex. 5

Malathion: The following malathion use categories overlap with the Coastal California gnatcatcher range: mosquito control, developed, pasture, open space developed, nurseries. The extent of overlap ranges from <1 – 29% per use.

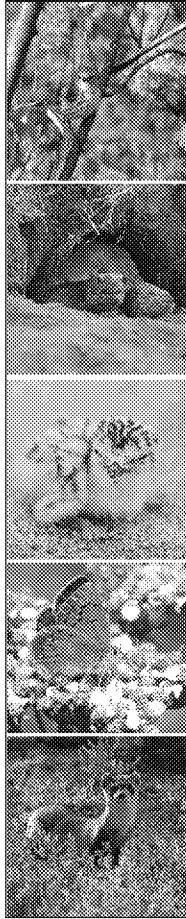
Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Diazinon: The following diazinon use categories overlap: nurseries, and (<1% overlap per use) and cattle eartag (15%).

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5



Example Species

Bog turtle (*Clemmys muhlenbergii*)

- Developed = 10%
- Developed open space = 13%
- Right-of-way = 17%
- Pasture = 14%
- Managed forests = 6%

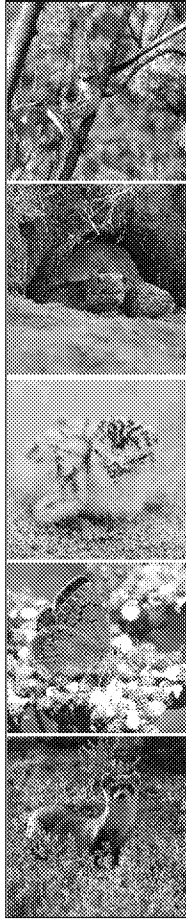
(malathion and chlorpyrifos)



Chlorpyrifos: Open space developed (13%), Developed (10%), Cattle ear tag (21%), Right of way (17%), Pasture (14%), Managed forests (6%), **Deliberative Process / Ex. 5**

Malathion: Open space developed (13%), Developed (10%), Pasture (14%), **Deliberative Process / Ex. 5**

Diazinon (no developed or developed open space): Cattle ear tag (21%), Nurseries (<1%),



Example Species

San Joaquin kit fox (*Vulpes macrotis mutica*)

- Pasture = 41% (malathion and chlorpyrifos)
- Open space developed = 5% (malathion)
- Developed = 4% (malathion)



Chlorpyrifos: pasture (41%), cattle ear tag (44%) right of way (7%)

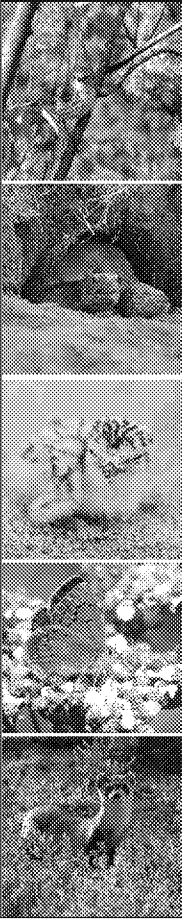
Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Malathion: pasture (41%), open spaced developed (5%), developed (4%)

Deliberative Process / Ex. 5

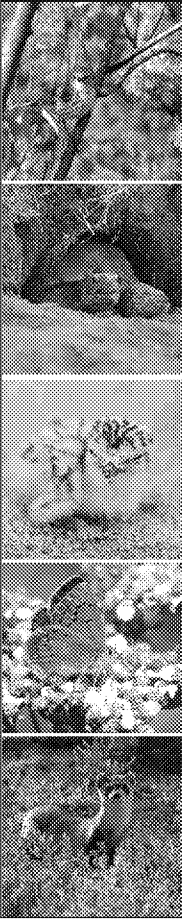
Diazinon: cattle ear tag (44%), and nurseries (<1%).



Data Needs

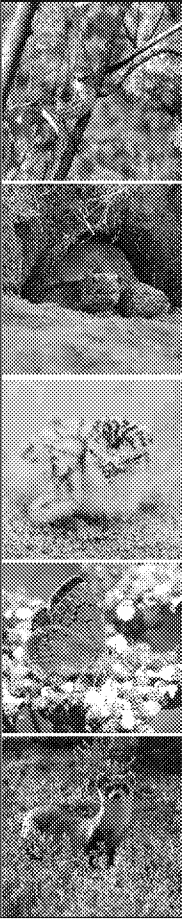
- Managed forest – USDA Forest Service, state forest agencies?
- Pasture – State extension office, cattle growers association?
- Right-of-way – state or federal transportation authorities?
- Developed and open-space developed – ??

So how can we refine our understanding of usage within these different non-ag use areas? We have some suggestions, but we wanted to hear from you on where additional data resides and who can help gather that data.



Data Needs

- Golf courses – turf and golf course management extension office?
- Nurseries – Nursery Growers Association?
- Other products:
 - seed treatment – USDA?
 - granular
 - bait



Data Needs

- Mosquito adulticide – mosquito control districts for data on where it is applied.
 - data can be collected from the State mosquito control districts (FL, CA, WA), others?
 - Use of American Mosquito Control Association data?
- Wide-area use – data sources?
- We recommend working with the registrants (applicants) for additional usage information?

Deliberative Process / Ex. 5

PESTICIDE USAGE MEETING

February 26, 2018

8:30 a.m. – 5:00 p.m.

Location: U.S. Fish and Wildlife Service Headquarters
Rachel Carson Conference Center (Ste. 106)(Ground Floor, check in at
guard station first)
5275 Leesburg Pike
Falls Church, VA 22041-3803

Conference call line:

Access code:

Join Instructions for Instant Net Conference:

1. Join the meeting now: [I.HYPERLINK](#)

Conference Line/Code / Ex. 6

2. Enter the required fields. Meeting Host=Keith Paul
3. Indicate that you have read the Privacy Policy.
4. Click on Proceed.

Facilitator: Saman Hussain from Collaborative Action and Dispute Resolution

Meeting Objective Statement:

To complete ESA section 7 consultation on the re-registration of chlorpyrifos, malathion, and diazinon, FWS needs information on the usage of these chemicals in proximity to listed species ranges and critical habitat over the next 15 years. This information will help FWS analyze the direct and indirect effects of the use of these three chemicals on threatened and endangered species. The objective of this meeting is to: (1) identify existing usage data that EPA and USDA have or can obtain, and gain understanding of strengths and the limitations on those data; (2) identify other usage data needed and a plan for collecting available data; and (3) clarify how the usage data will be used in the section 7 consultations.

Desired Outcomes:

- Agreement on available usage data that can be used to determine the direct and indirect effects on listed species.
 - Agreement on how to address data gaps and uncertainties.
 - Agreement on how data will be used in for Steps 1 and 2 (BEs) and Step 3 (BO analysis).
 - Agreement on how to obtain additional key usage data.
-

Agenda

8:30 a.m. **Opening remarks**
Gina Shultz (FWS)

Introduction from Managers and review meeting objectives and outcomes
Marietta Echeverria (EPA), Cathy Tortorici (NMFS),
Sheryl Kunickis (USDA)

- Brief introduction from Saman Hussain (Facilitator) regarding decision making process and group expectations

8:50 a.m. **Refresher on usage data status (EPA):**

- Usage data that has been provided to the FWS
- Data sources and how BEAD obtains, compiles and utilizes them

9:20 a.m. **FWS analysis of BEAD usage data**
George Noguchi and Nancy Golden (FWS)

Deliberative Process / Ex. 5

9:50 a.m. **Break**

10:00 a.m. **Discussion regarding the best use of available data and how to fill data gaps**
(Agencies share and discuss proposed approaches; Agency in parentheses initiates discussion)

Deliberative Process / Ex. 5

12:00 p.m. **Break to purchase Lunch (Working lunch)**

12:30 p.m. **Continued: Group discussion (agricultural usage data)**

Deliberative Process / Ex. 5

2:00 p.m. **Agreements and Wrap-up of Next Steps**

2:15 p.m. **Break**

2:30 p.m. **Group discussion (non-agricultural use)**

1. Identify potential data sources and a process for obtaining data

Deliberative Process / Ex. 5

4:30 p.m. **Agreements and Next Steps**

- Summarize path forward for each discussion item

5:00 p.m. **Meeting adjourns**

Message

From: Echeverria, Marietta [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=36C56B7169144626BD6AADEA25992D4E-MARIETTA ECHEVERRIA]
Sent: 5/15/2018 1:30:25 PM
To: Kristina Garber [Garber.Kristina@epa.gov]; Becker, Jonathan [becker.jonathan@epa.gov]; Paisley-Jones, Claire [Paisley-Jones.Claire@epa.gov]
CC: Miller, Wynne [Miller.Wynne@epa.gov]; Sims, Diann [Sims.Diann@epa.gov]
Subject: FW: Info for Today's Pesticide Conference Call
Attachments: Tasks and sources.xlsx

FYI

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Tuesday, May 15, 2018 8:31 AM
To: Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Kunickis, Sheryl <Sheryl.Kunickis@ars.usda.gov>; Shultz, Gina <gina_shultz@fws.gov>; cathy.tortorici@noaa.gov; Sims, Diann <Sims.Diann@epa.gov>; Sara Omar <sara_omar@ios.doi.gov>; Ashley Stilson <ashley_stilson@fws.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; Perry, Tracy <Perry.Tracy@epa.gov>; Miller, Wynne <Miller.Wynne@epa.gov>
Subject: Info for Today's Pesticide Conference Call

Dear All-

Attached is a spreadsheet we pulled together that cross-walks tasks with data sources. Pls note we used the original numbering from the first Task List.

Talk with ya all at 1:00!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Echeverria, Marietta [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=36C56B7169144626BD6AADEA25992D4E-MARIETTA ECHEVERRIA]
Sent: 2/23/2018 9:25:47 PM
To: Beck, Nancy [beck.nancy@epa.gov]
Subject: FW: Final Agenda, Parking and Shuttle Information
Attachments: Directions_USFWS_Headquarters and parking (1).pdf; HQ VisitorInfoPacket_Pesticides Use & Usage Meeting 2018-02-26.docx; SkylineShuttleBallstonPickup with added info 20180222.pptx; MIB to Skyline Shuttle Schedule.docx; Pesticide Usage Meeting Agenda _2_21_2018 final .docx

Nancy – Here is logistical information for the meeting on Monday. We will be sending you our materials by cob today.
Thanks,
Marietta

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Thursday, February 22, 2018 4:28 PM
To: Ashley Stilson <ashley_stilson@fws.gov>; Aubrey, Craig <craig_aubrey@fws.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Sims, Diann <Sims.Diann@epa.gov>; Shultz, Gina <gina_shultz@fws.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>; Perry, Tracy <Perry.Tracy@epa.gov>
Subject: Final Agenda, Parking and Shuttle Information

Dear All-

Pls forward to your folks. This information will also be attached to our calendar invite. Remember to check in with the guards for a visitor badge.

Thanks. See you Monday!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Echeverria, Marietta [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=36C56B7169144626BD6AADEA25992D4E-MARIETTA ECHEVERRIA]
Sent: 2/28/2018 9:38:54 PM
To: Miller, Wynne [Miller.Wynne@epa.gov]
Subject: FW: Slide Deck from the Usage Workshop
Attachments: Applying_usage_2-26-18 EPA.pptx; caracara_example EPA.pptx; Diazinon usage slides_Feb 26 meeting FWS.pptx; Increasing our understanding of geographic specificity_2-26-18_draft EPA.pptx; Non_Agricultural Use Slides_2_25_2018_FINAL FWS.pdf; Pesticide Usage Data Sources Overview_2-23-18 EPA.pdf

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Tuesday, February 27, 2018 9:42 AM
To: Echeverria, Marietta <Echeverria.Marietta@epa.gov>; cathy.tortorici@noaa.gov; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>
Cc: Shultz, Gina <gina_shultz@fws.gov>
Subject: Slide Deck from the Usage Workshop

Dear All-

Sorry for the confusion, but pls use this group of PP presentations to share with your folks. We will circle up with the EPA workgroup (once they are assigned) with our PP on proposed methodology.

Thanks,
patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office



United States Department of the Interior

FISH AND WILDLIFE SERVICE

DEC 17 2017



Marietta Echeverria
Director, Environmental Fate and Effects Division
Office of Pesticide Programs
Division Mail Code 7507P
U.S. Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, D.C. 20460

Dear Ms. Echeverria:

This letter supersedes my December 15, 2017, letter to you on this topic, as that letter contained an inadvertent error.

Thank you for your prompt response letter of November 17, 2017, agreeing to provide additional information necessary to complete formal consultation under section 7(a)(2) of the Endangered Species Act of 1973, as amended (Act), on the U.S. Environmental Protection Agency's (EPA) reregistration of chlorpyrifos, malathion, and diazinon under the Federal Insecticide, Fungicide, and Rodenticide Act. In response, and to ensure that both agencies are clear on the proposed next steps for the above-referenced national pesticide consultations, the U.S. Fish and Wildlife Service (FWS) has the following clarifications and requests:

- (1) Your letter stated that any agreement to provide additional information in the course of the existing interagency consultation regarding pesticide use and usage should not be viewed as agreement to "either revise or withdraw (the) final BEs." For the purpose of our consultation record, we will consider any additional information on use or usage that serves to inform the description of the action area or the effects analysis to supplement the final BEs.
- (2) We request that EPA continue to engage collaboratively with the Service as you compile and summarize label information and usage data so that it is provided in a form that best informs the consultations and so that we can understand the source and utility of the information.
- (3) In the last paragraph of your response letter, you agreed that consultation should be extended and state "...that any required consent from any applicants be obtained." As you know, the term "[a]pplicant" refers to any person, as defined in section 3(13) of the Act, who requires formal approval or authorization from a Federal agency as a prerequisite to conducting the action (50 CFR 402.02). Please identify who EPA now considers to be applicants for these consultations (including providing contact information).

If you have any questions or concerns about this response or the consultation process in general, please feel free to call me at 202-208-4646.

Sincerely,

Gary Frazer
Assistant Director- Ecological Services



United States Department of the Interior

FISH AND WILDLIFE SERVICE



NOV 14 2017

Marietta Echeverria
Director, Environmental Fate and Effects Division
Office of Pesticide Programs
Division Mail Code 7507P
U.S. Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, D.C. 20460

Dear Ms. Echeverria,

On January 18, 2017, the U.S. Fish and Wildlife Service (Service) received the Environmental Protection Agency's (EPA) draft Biological Evaluations (BEs) on the effects of reregistering chlorpyrifos, malathion, and diazinon under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and request to initiate formal consultation under section 7 of the Endangered Species Act of 1973, as amended (ESA). As you are aware, this effort was one of the most complex section 7 consultations ever attempted. While we appreciate the collaboration with the Service and others that informed the development of these BEs, after further review and lessons learned in consideration of the BEs the Service is requesting additional information necessary to complete formal consultation. (See interagency consultation regulations at 50 CFR §402.14). Specifically, we request:

- A revised effects analysis for each chemical that reflects the best scientific and commercial data that is currently available or which can be obtained during the consultation – the standard for information required under 50 CFR §402.14(d) for an action agency when seeking formal consultation – regarding actual use, including extrapolation to areas where actual use data does not exist or cannot be obtained. The revised effect analyses should also seek to predict effects from future usage that is reasonably certain to occur during the time period of the label authorization but is not reflected in current actual use data.
- A revised effects analysis for each chemical that eliminates from analysis geographic areas identified by EPA where these pesticides are not used and where such use is not likely during the time period of the label authorization, or where listed species or designated critical habitats would not otherwise be exposed to use of the pesticide (e.g., certain states, high elevation areas, uninhabited islands).

In addition, the Service also suggests that the EPA monitor available use and usage information to determine if the manner of actual use remains consistent with assumptions of use and usage considered in the consultation process.

Under the regulations, indirect effects are "those that are caused by the proposed action and are later in time, but are reasonably certain to occur." 50 C.F.R. 402.02. The effects analysis determines the action area, which is "all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action." 50 C.F.R. 402.02. We must keep in mind the ESA regulations when considering the action description and effects analysis.

In the course of developing the draft and final biological opinions and associated incidental take statements, the Service requests that EPA facilitate coordination with the registrants and user groups to develop, if necessary, any reasonable and prudent alternatives to avoid violation of section 7(a)(2) of the Act and any reasonable and prudent measures necessary or appropriate to minimize the impact of your action on listed species.

This letter also serves as a request to extend the consultation, in accordance with 50 C.F.R. 402.14(e). Upon receipt of the above requested information, the Service will work with EPA to establish a schedule to complete consultation on the proposed actions.

If you have any questions or concerns about this request or the consultation process in general, please feel free to call me at 202-208-4646 or Deputy Assistant Director Gina Shultz at 703-358-1985.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gary Frazer', is positioned above the printed name.

Gary Frazer
Assistant Director - Ecological Services

Message

From: Echeverria, Marietta [Echeverria.Marietta@epa.gov]
Sent: 5/29/2018 8:43:58 PM
To: Garber, Kristina [Garber.Kristina@epa.gov]; Sims, Diann [Sims.Diann@epa.gov]
Subject: FW: [EXTERNAL] usage workgroup workplan
Attachments: milestones_timeline_interagency_usage_5-25-18_final_FWS comments_gn.docx

This looks ok to me. Any heartburn? I want to tell her we are good with their edits and call this final.

From: Shultz, Gina [mailto:gina_shultz@fws.gov]
Sent: Tuesday, May 29, 2018 3:53 PM
To: Echeverria, Marietta <Echeverria.Marietta@epa.gov>
Cc: Kunickis, Sheryl - OSEC <Sheryl.Kunickis@osec.usda.gov>; cathy.tortorici@noaa.gov; Anderson, Brian <Anderson.Brian@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>
Subject: Re: [EXTERNAL] usage workgroup workplan

Hi Marietta,
I made a few editorial changes and a more substantive change to #8, which aligns with our previous comments. I wasn't sure whether the language in #8 was intentionally or inadvertently different from our last comments.

Please call if you want to discuss. Thank you, Gina

*Gina Shultz
Deputy Assistant Director, Ecological Services
U.S. Fish and Wildlife Service
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-1985*

On Tue, May 29, 2018 at 8:47 AM, Echeverria, Marietta <Echeverria.Marietta@epa.gov> wrote:

All,

Attached is the latest (dare I say final) version of the workplan for the usage workgroup. I understand from Brian and Diann that we want to get this out to the team cob today. Do you all agree that this is final? Gina, will you be sending it to the group?

Also, for the adulticide subtask we have assigned Melissa Panger and Steve Lennartz to participate. Who should I put them in contact with?

Regards,

Marietta

.....

Message

From: Anderson, Brian [Anderson.Brian@epa.gov]
Sent: 2/21/2018 12:20:48 PM
To: Rossmeisl, Colleen [Rossmeisl.Colleen@epa.gov]; Peck, Charles [Peck.Charles@epa.gov]; Panger, Melissa [Panger.Melissa@epa.gov]; Garber, Kristina [Garber.Kristina@epa.gov]; Eckel, William [Eckel.William@epa.gov]; Lennartz, Steven [Lennartz.Steven@epa.gov]; Connolly, Jennifer [Connolly.Jennifer@epa.gov]
Subject: FW: Draft Agenda
Attachments: Draft agenda for pesticide use meeting_2_16_2018 final.docx

Hey Guys,

I sent a ton of comments yesterday – the agenda stands – there’s a backstory.

So – looking at this again – I think our presentation on the method should go last in topic number 5 – both pieces will go there. I think we can leave it split into two topics or not (relating usage to spatial data; consolidating the usage) – whatever is easier at this point.

That means the first topic – which is ‘can we increase our geographic specificity’ – will hopefully be short as is the question around data robustness.

So now we can present our materials in the proper order.

There will be projectors and laptops. We’ll need all the materials on a stick – and please back them up. We should have at least 2 memory sticks with the presentations just in case.

I still don’t have a great sense for what FWS is presenting or how the room will look (small tables, giant circle, etc...).

This means that the first several topics will hopefully be very short. EPA is the lead on “Can we increase our understanding of geographic specificity?” and “what constitutes a robust data set”.

I’m working with Diann now on who should lead those discussions (any volunteers? If not, I don’t think it’s fair to assign it so I’ll probably do the geographic specificity question, which our position is pretty simple.)

Thanks everyone for your patience. Kris will be sending drafts of the other presentation today. Please take a look and respond as fast as possible. Sorry for all the speed.

Thanks

Brian

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Tuesday, February 20, 2018 5:09 PM
To: Pease, Anita <Pease.Anita@epa.gov>; Aubrey, Craig <craig_aubrey@fws.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Sims, Diann <Sims.Diann@epa.gov>; Shultz, Gina <gina_shultz@fws.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Corbin, Mark <Corbin.Mark@epa.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>; Perry, Tracy <Perry.Tracy@epa.gov>
Subject: Draft Agenda

Dear All-

Attached pls find our updated final draft agenda. Pls note we added an agency to lead each topic in order to help facilitate the conversation. I am still trying to find an official facilitator and I have a strong lead on someone from Collaborative Action and Dispute Resolutions that may be available. We should know by tomorrow.

Thanks everyone.
patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Sims, Diann [Sims.Diann@epa.gov]
Sent: 5/8/2018 7:14:52 PM
To: Garber, Kristina [Garber.Kristina@epa.gov]
Subject: FW: Notes from the May 8 Pesticide Usage Meeting
Attachments: milestones_timeline_interagency_usage_5_7_18_DAES comments (2).docx

From: Omar, Sara [mailto:sara_omar@ios.doi.gov]
Sent: Tuesday, May 8, 2018 3:03 PM
To: Patrice Ashfield <patrice_ashfield@fws.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>; Miller, Wynne <Miller.Wynne@epa.gov>; Sheryl.Kunickis@ars.usda.gov; Perry, Tracy <Perry.Tracy@epa.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Shultz, Gina <gina_shultz@fws.gov>; Ashley Stilson <ashley_stilson@fws.gov>
Subject: Notes from the May 8 Pesticide Usage Meeting

Hello everyone,

Below are my notes from today's call:

Deliberative Process / Ex. 5

I hope I was able to convey everything that was agreed upon in the meeting. I apologize if there is anything I missed or misunderstood.

Please let me know if I could be of any other help.

Regards,
Sara

Message

From: Anderson, Brian [Anderson.Brian@epa.gov]
Sent: 2/22/2018 10:27:08 PM
To: Panger, Melissa [Panger.Melissa@epa.gov]; Garber, Kristina [Garber.Kristina@epa.gov]; Rossmeisl, Colleen [Rossmeisl.Colleen@epa.gov]; Connolly, Jennifer [Connolly.Jennifer@epa.gov]; Lennartz, Steven [Lennartz.Steven@epa.gov]; Eckel, William [Eckel.William@epa.gov]; White, Katrina [White.Katrina@epa.gov]; Peck, Charles [Peck.Charles@epa.gov]
Subject: FW: Final Agenda, Parking and Shuttle Information
Attachments: Directions_USFWS_Headquarters and parking (1).pdf; HQ VisitorInfoPacket_Pesticides Use & Usage Meeting 2018-02-26.docx; SkylineShuttleBallstonPickup with added info 20180222.pptx; MIB to Skyline Shuttle Schedule.docx; Pesticide Usage Meeting Agenda _2_21_2018 final .docx

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Thursday, February 22, 2018 4:28 PM
To: Ashley Stilson <ashley_stilson@fws.gov>; Aubrey, Craig <craig_aubrey@fws.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Sims, Diann <Sims.Diann@epa.gov>; Shultz, Gina <gina_shultz@fws.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>; Perry, Tracy <Perry.Tracy@epa.gov>
Subject: Final Agenda, Parking and Shuttle Information

Dear All-

Pls forward to your folks. This information will also be attached to our calendar invite. Remember to check in with the guards for a visitor badge.

Thanks. See you Monday!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Sims, Diann [Sims.Diann@epa.gov]
Sent: 2/14/2018 2:16:56 PM
To: Miller, Wynne [Miller.Wynne@epa.gov]
Subject: RE: Re: Draft Agenda for the Feb 26th Meeting

Thanks Wynne! We really appreciate it.

From: Miller, Wynne
Sent: Wednesday, February 14, 2018 9:10 AM
To: Patrice Ashfield <patrice_ashfield@fws.gov>; Shultz, Gina <gina_shultz@fws.gov>
Cc: Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>; Anderson, Brian <Anderson.Brian@epa.gov>
Subject: Re: Draft Agenda for the Feb 26th Meeting

Hi Gina and Patrice,

We wanted to check on one item. Last week, folks on the call mentioned that there would be additional questions from FWS on the diazinon use/usage data. Also, the email below references that more questions would be sent on Monday. Have those questions been sent yet? Diann Sims and her folks are trying to prepare for the February 26th discussion and we'd like to have questions early so we can be prepared to discuss the diazinon use/usage data. Thanks so much.

Best regards,
Wynne Miller, Director
Biological and Economic Analysis Division (BEAD)
Office of Pesticide Programs (OPP)
Office of Chemical Safety and Pollution Prevention (OCSPP)
(Phone) 703-308-8111
(Fax) 703-308-8091
Mail code 7503P
Room # PY 59724

Begin forwarded message:

From: "Ashfield, Patrice" <patrice_ashfield@fws.gov>
Date: February 9, 2018 at 5:58:29 PM EST
To: Anita Pease <Pease.Anita@epa.gov>, "Aubrey, Craig" <craig_aubrey@fws.gov>, Brian Anderson <Anderson.Brian@epa.gov>, Cathy Tortorici <cathy.tortorici@noaa.gov>, Diane Sims <sims.diann@epa.gov>, Gina Shultz <gina_shultz@fws.gov>, "Guilaran, Yu-Ting" <Guilaran.Yu-Ting@epa.gov>, Marietta Echeverria <echeverria.marietta@epa.gov>, Philip Villanueva <Villanueva.Phillip@epa.gov>, Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>, Tracy Perry <Perry.Tracy@epa.gov>
Subject: Draft Agenda for the Feb 26th Meeting

Dear All-

As we discussed, our goal is to make this meeting a "roll up our sleeves" working meeting. To that end, we have modified the workshop format to eliminate what I am going to refer to as "dueling powerpoints." First, we set the stage with EPA and FWS giving a short powerpoint discussing the diazinon background information. Then the next 4 hours will focus on the agricultural survey data. We propose to have this section broken into a problem/solution format. So EPA, FWS or NMFS will take the lead on a certain topic (question), show a slide or two to present an issue, and then a slide or two to offer solution. Then all agencies will discuss as a group to determine a path forward for how to use the data. Topics/questions outlined in this agenda may morph as we receive more information (note the TBD for additional items). Then later in the afternoon we address non-agriculture usage. Our thought for this section was to hear from all the agencies what data is available, how to capture that data, and then figure out action items if necessary. So, we may not resolve each of these non-agriculture items at the meeting, but we can set the path for how to resolve.

We incorporated most of your suggestions into this revised agenda. FWS questions on the diazinon data will be sent out to the group on Monday.

Thanks everyone, have a good weekend!
Patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Ashfield, Patrice [patrice_ashfield@fws.gov]
Sent: 2/16/2018 9:08:45 PM
To: Miller, Wynne [Miller.Wynne@epa.gov]
Subject: Fwd: FWS questions on usage data
Attachments: FWS questions regarding usage data_12 13 2018.docx

Dear Wynne-

The FWS questions were sent out last Tuesday, pls see attached copy. Let me know if there is anything else I can do to help.

Thanks!
Patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

----- Forwarded message -----

From: **Aubrey, Craig** <craig_aubrey@fws.gov>
Date: Thu, Feb 15, 2018 at 9:01 AM
Subject: Fwd: FWS questions on usage data
To: "Ashfield, Patrice" <patrice_ashfield@fws.gov>, "Villanueva, Philip" <villanueva.philip@epa.gov>, "Pease, Anita" <pease.anita@epa.gov>, "Echeverria, Marietta" <echeverria.marietta@epa.gov>, "Anderson, Brian" <anderson.brian@epa.gov>, "Kunickis, Sheryl" <sheryl.kunickis@osec.usda.gov>, Ashley Stilson <ashley_stilson@fws.gov>, Gina Shultz <gina_shultz@fws.gov>, Cathy Tortorici - NOAA Federal <cathy.tortorici@noaa.gov>, "Guilaran, Yu-Ting" <guilaran.yu-ting@epa.gov>, "Perry, Tracy" <perry.tracy@epa.gov>

----- Forwarded message -----

From: **Golden, Nancy** <nancy_golden@fws.gov>
Date: Tue, Feb 13, 2018 at 1:02 PM
Subject: FWS questions on usage data
To: "Anderson, Brian" <Anderson.Brian@epa.gov>
Cc: Patrice Ashfield <patrice_ashfield@fws.gov>, George Noguchi <George_Noguchi@fws.gov>

Hi Brian,

Attached are the FWS questions for EPA on usage data for the upcoming meeting. Please let us know if you have any questions.

Thanks, Nancy

Nancy H. Golden, Ph.D.
Environmental Contaminants Specialist
U.S. Fish & Wildlife Service
Ecological Services, MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
(703) 358-2077
(703) 358-1800 fax
email: Nancy_Golden@fws.gov

--

George Noguchi, Ph.D.
Environmental Contaminants Specialist
US Fish and Wildlife Service
Ecological Services Program
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
(Phone) 703-358-1857
(Fax) 703-358-1800

Message

From: Sims, Diann [Sims.Diann@epa.gov]
Sent: 11/15/2018 8:51:00 PM
To: Knorr, Michele [knorr.michele@epa.gov]; Dyner, Mark [dyner.mark@epa.gov]
CC: Miller, Wynne [Miller.Wynne@epa.gov]; Costello, Kevin [Costello.Kevin@epa.gov]
Subject: RE: [EXTERNAL] Re: Usage Summary Reports

Michele and Mark,
Thank you for the follow up.

Attorney Client / Ex. 5

Attorney Client / Ex. 5

From: Knorr, Michele
Sent: Thursday, November 15, 2018 3:39 PM
To: Dyner, Mark <dyner.mark@epa.gov>
Cc: Miller, Wynne <Miller.Wynne@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>; Costello, Kevin <Costello.Kevin@epa.gov>
Subject: Re: [EXTERNAL] Re: Usage Summary Reports

Thanks, Mark. This is what I was referring to in my email. If summaries are going to be provided, we will need to address this issue more fully.

Michele Knorr
OGC
202-564-5631

On Nov 15, 2018, at 3:35 PM, Dyner, Mark <dyner.mark@epa.gov> wrote:

Attorney Client / Ex. 5

Mark Dyner
Office of General Counsel
(202) 564-1754

From: Knorr, Michele
Sent: Thursday, November 15, 2018 3:25 PM
To: Miller, Wynne <Miller.Wynne@epa.gov>
Cc: Sims, Diann <Sims.Diann@epa.gov>; Costello, Kevin <Costello.Kevin@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>
Subject: Re: [EXTERNAL] Re: Usage Summary Reports

Attorney Client / Ex. 5

Michele Knorr
OGC
202-564-5631

On Nov 15, 2018, at 3:20 PM, Miller, Wynne <Miller.Wynne@epa.gov> wrote:

Diann,
I'm cc'ing Michele Knorr in OGC to see if she has thoughts, in case we receive the request via Mr. Richardson. Michele ... please read the email chain below.
Regards,
Wynne

From: Sims, Diann
Sent: Thursday, November 15, 2018 2:56 PM
To: Miller, Wynne <Miller.Wynne@epa.gov>
Cc: Costello, Kevin <Costello.Kevin@epa.gov>
Subject: FW: [EXTERNAL] Re: Usage Summary Reports

Hi Wynne
See the email chain below. I'm waiting for Richardson to reach out to me directly. His email refers to assessments, but he inquired originally about usage data (the SUUM is what Patrice mentioned).

Attorney Client / Ex. 5

Attorney Client / Ex. 5

From: Ashfield, Patrice <patrice_ashfield@fws.gov>
Sent: Thursday, November 15, 2018 2:37 PM
To: Richardson, R. Steven <rsrichardson@wileyrein.com>
Cc: Shultz, Gina <gina_shultz@fws.gov>; Sims, Diann <Sims.Diann@epa.gov>
Subject: Re: [EXTERNAL] Re: Usage Summary Reports

Dear Steve-
I will defer to Diann Sims from EPA regarding copies of the other summary reports. Thx

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

On Thu, Nov 15, 2018 at 1:25 PM Richardson, R. Steven <rsrichardson@wileyrein.com> wrote:

Thanks, Patrice. This is very helpful. We would really like to obtain copies of the other assessments. As you know, we represent the technical registrants of the other two actives and we are trying to settle litigation on all so these documents will be most useful. I appreciate your following up. All the best, Steve

Sent from my iPhone

On Nov 15, 2018, at 1:08 PM, Ashfield, Patrice <patrice_ashfield@fws.gov> wrote:

Dear Steven-

Pursuant to your voicemail on Nov 8th regarding your question on usage reports on chlorpyrifos and diazinon, the answer is yes, we do have summary reports for all three OP chemicals. I am cc'ing Diann Sims from EPA on this email in case you had any additional questions. She is the expert and she will be to talk to you.

Hope that helps.

Thank you,
Patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

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Message

From: Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]
Sent: 2/15/2018 2:13:25 PM
To: Miller, Wynne [Miller.Wynne@epa.gov]; Sims, Diann [Sims.Diann@epa.gov]
Subject: FW: FWS questions on usage data
Attachments: FWS questions regarding usage data_12 13 2018.docx

In case it was not forwarded to you...

Regards,

Yu-Ting Guilaran, P.E.
Director

Pesticide Re-evaluation Division (PRD)
Office of Pesticide Programs
Office of Chemical Safety and Pollution Prevention
(tel) 703 308 0052
(fax) 703 308 8005
Mail code 7508P
Room number PY S9623

From: Aubrey, Craig [mailto:craig_aubrey@fws.gov]
Sent: Thursday, February 15, 2018 9:02 AM
To: Patrice Ashfield <patrice_ashfield@fws.gov>; Villanueva, Philip <Villanueva.Philip@epa.gov>; Pease, Anita <Pease.Anita@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; Kunickis, Sheryl <sheryl.kunickis@osec.usda.gov>; Ashley Stilson <ashley_stilson@fws.gov>; Shultz, Gina <gina_shultz@fws.gov>; cathy.tortorici@noaa.gov; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Perry, Tracy <Perry.Tracy@epa.gov>
Subject: Fwd: FWS questions on usage data

----- Forwarded message -----

From: **Golden, Nancy** <nancy_golden@fws.gov>
Date: Tue, Feb 13, 2018 at 1:02 PM
Subject: FWS questions on usage data
To: "Anderson, Brian" <Anderson.Brian@epa.gov>
Cc: Patrice Ashfield <patrice_ashfield@fws.gov>, George Noguchi <George_Noguchi@fws.gov>

Hi Brian,

Attached are the FWS questions for EPA on usage data for the upcoming meeting. Please let us know if you have any questions.

Thanks, Nancy

Nancy H. Golden, Ph.D.
Environmental Contaminants Specialist
U.S. Fish & Wildlife Service
Ecological Services, MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
(703) 358-2077
(703) 358-1800 fax
email: Nancy_Golden@fws.gov

--

George Noguchi, Ph.D.
Environmental Contaminants Specialist
US Fish and Wildlife Service
Ecological Services Program
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
(Phone) 703-358-1857
(Fax) 703-358-1800

Message

From: Miller, Wynne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8267862F7FEA4782AEC32EA5FEC8C19C-WYMILLER]
Sent: 5/8/2018 7:22:47 PM
To: Garber, Kristina [Garber.Kristina@epa.gov]
CC: Diann Sims [Sims.Diann@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]
Subject: FW: Notes from the May 8 Pesticide Usage Meeting
Attachments: milestones_timeline_interagency_usage_5_7_18_DAES comments (2).docx

FYI ...

From: Omar, Sara [mailto:sara_omar@ios.doi.gov]
Sent: Tuesday, May 08, 2018 3:03 PM
To: Patrice Ashfield <patrice_ashfield@fws.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>; Miller, Wynne <Miller.Wynne@epa.gov>; Sheryl.Kunickis@ars.usda.gov; Perry, Tracy <Perry.Tracy@epa.gov>; Anderson, Brian <Anderson.Brian@epa.gov>; cathy.tortorici@noaa.gov; Shultz, Gina <gina_shultz@fws.gov>; Ashley Stilson <ashley_stilson@fws.gov>
Subject: Notes from the May 8 Pesticide Usage Meeting

Hello everyone,

Below are my notes from today's call:

-
-
- # Deliberative Process / Ex. 5
-
-
-

I hope I was able to convey everything that was agreed upon in the meeting. I apologize if there is anything I missed or misunderstood.

Please let me know if I could be of any other help.

Regards,
Sara

Message

From: Miller, Wynne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8267862F7FEA4782AEC32EA5FEC8C19C-WYMILLER]
Sent: 2/14/2018 2:10:01 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]; Gina Shultz [gina_shultz@fws.gov]
CC: Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Diann Sims [Sims.Diann@epa.gov]; Anderson, Brian [Anderson.Brian@epa.gov]
Subject: Re: Draft Agenda for the Feb 26th Meeting

Hi Gina and Patrice,

We wanted to check on one item. Last week, folks on the call mentioned that there would be additional questions from FWS on the diazinon use/usage data. Also, the email below references that more questions would be sent on Monday. Have those questions been sent yet? Diann Sims and her folks are trying to prepare for the February 26th discussion and we'd like to have questions early so we can be prepared to discuss the diazinon use/usage data. Thanks so much.

Best regards,
Wynne Miller, Director
Biological and Economic Analysis Division (BEAD)
Office of Pesticide Programs (OPP)
Office of Chemical Safety and Pollution Prevention (OCSP)
(Phone) 703-308-8111
(Fax) 703-308-8091
Mail code 7503P
Room # PY S9724

Begin forwarded message:

From: "Ashfield, Patrice" <patrice_ashfield@fws.gov>
Date: February 9, 2018 at 5:58:29 PM EST
To: Anita Pease <Pease.Anita@epa.gov>, "Aubrey, Craig" <craig_aubrey@fws.gov>, Brian Anderson <Anderson.Brian@epa.gov>, Cathy Tortorici <cathy.tortorici@noaa.gov>, diane sims <sims.diann@epa.gov>, Gina Shultz <gina_shultz@fws.gov>, "Guilaran, Yu-Ting" <Guilaran.Yu-Ting@epa.gov>, Marietta Echeverria <echeverria.marietta@epa.gov>, Philip Villanueva <Villanueva.Philip@epa.gov>, Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>, Tracy Perry <Perry.Tracy@epa.gov>
Subject: Draft Agenda for the Feb 26th Meeting

Dear All-

As we discussed, our goal is to make this meeting a "roll up our sleeves" working meeting. To that end, we have modified the workshop format to eliminate what I am going to refer to as "dueling powerpoints." First, we set the stage with EPA and FWS giving a short powerpoint discussing the diazinon background information. Then the next 4 hours will focus on the agricultural survey data. We propose to have this section broken into a problem/solution format. So EPA, FWS or NMFS will take the lead on a certain topic (question), show a slide or two to present an issue, and then a slide or two to offer solution. Then all agencies will discuss as a group to determine a path forward

for how to use the data. Topics/questions outlined in this agenda may morph as we receive more information (note the TBD for additional items). Then later in the afternoon we address non-agriculture usage. Our thought for this section was to hear from all the agencies what data is available, how to capture that data, and then figure out action items if necessary. So, we may not resolve each of these non-agriculture items at the meeting, but we can set the path for how to resolve.

We incorporated most of your suggestions into this revised agenda. FWS questions on the diazinon data will be sent out to the group on Monday.

Thanks everyone, have a good weekend!
Patrice

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]
Sent: 4/24/2018 1:33:41 PM
To: Perry, Tracy [Perry.Tracy@epa.gov]
Subject: agenda for FWS/registrant meeting (eom)
Attachments: 04192018_Agenda.docx

Regards,

Yu-Ting Guilaran, P.E.
Director

Pesticide Re-evaluation Division (PRD)
Office of Pesticide Programs
Office of Chemical Safety and Pollution Prevention
(tel) 703 308 0052
(fax) 703 308 8005
Mail code 7508P
Room number PY S9623

From: Shultz, Gina [mailto:gina_shultz@fws.gov]
Sent: Wednesday, April 18, 2018 10:24 AM
To: Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>
Cc: lois_wellman@fws.gov; Patrice Ashfield <patrice_ashfield@fws.gov>; George Noguchi <george_noguchi@fws.gov>; Miller, Wynne <Miller.Wynne@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Perry, Tracy <Perry.Tracy@epa.gov>
Subject: Re: [EXTERNAL] Agenda? Invitation: OP Pesticide Consultation Meeting @ Thu Apr 19, 2018 3:30pm - 4:30pm (EDT) (guilaran.yu-ting@epa.gov)

Thank you for the reminder. I meant to send this out yesterday. Feel free to provide comments back or we can discuss tomorrow morning.

*Gina Shultz
Deputy Assistant Director, Ecological Services
U.S. Fish and Wildlife Service
MS: ES
5275 Leesburg Pike
Falls Church, VA 22041-3803
703-358-1985*

On Wed, Apr 18, 2018 at 9:55 AM, Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov> wrote:

Hi Gina

Just want to follow up from last Thur's call and see if you have an agenda for tomorrow's registrant meeting? We will see you in the falls church office hopefully a little before 3:30. Thanks.

Regards,

Yu-Ting Guilaran, P.E.

Director

Pesticide Re-evaluation Division (PRD)

Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

(tel) 703 308 0052

(fax)703 308 8005

Mail code 7508P

Room number PY S9623

-----Original Appointment-----

From: Gina_Shultz@fws.gov [mailto:gina_shultz@fws.gov]

Sent: Monday, April 09, 2018 10:12 AM

To: paul.whatling@fmc.com; aldos.barefoot@fmc.com; rsrichardson@wileyrein.com; Patrice Ashfield; George Noguchi; mark.hough@adama.com; dweinberg@wileyrein.com; Miller, Wynne; Echeverria, Marietta; Patrick Havens; Guilaran, Yu-Ting; Nancy Golden; grolover@dow.com; laura.phelps@adama.com

Subject: Invitation: OP Pesticide Consultation Meeting @ Thu Apr 19, 2018 3:30pm - 4:30pm (EDT) (guilaran.yu-ting@epa.gov)

When: Thursday, April 19, 2018 3:30 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: MIB - Conference Room 3038 (Conference line **Conference Line/Code / Ex. 6**)

[more details »](#)

OP Pesticide Consultation Meeting

When Thu Apr 19, 2018 3:30pm – 4:30pm Eastern Time

Where MIB - Conference Room 3038 (Conference line **Conference Line/Code / Ex. 6**)

Video call **Conference Line/Code / Ex. 6**

Calendar guilaran.yu-ting@epa.gov

Who • Gina_Shultz@fws.gov - organizer

- lois_wellman@fws.gov - creator
- paul.whatling@fmc.com
- aldos.barefoot@fmc.com
- rsrichardson@wileyrein.com
- patrice_ashfield@fws.gov
- george_noguchi@fws.gov
- mark.hough@adama.com
- dweinberg@wileyrein.com
- miller.wynne@epa.gov
- echeverria.marietta@epa.gov
- phavens@dow.com
- guilaran.yu-ting@epa.gov
- nancy_golden@fws.gov
- grolover@dow.com
- laura.phelps@adama.com

MIB - Main Interior Building

1849 C Street, NW

Washington, DC 20240

POC - Lois Wellman at 202-208-4646

Please bring valid ID for security clearance

Going? **Yes** - **Maybe** - **No** more options »

Invitation from [Google Calendar](#)

You are receiving this courtesy email at the account guilaran.yu-ting@epa.gov because you are an attendee of this event.

To stop receiving future updates for this event, decline this event. Alternatively you can sign up for a Google account at <https://www.google.com/calendar/> and control your notification settings for your entire calendar.

Forwarding this invitation could allow any recipient to modify your RSVP response. [Learn More](#).

Message

From: Perry, Tracy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FFD9B082A6484FE8A70CADE93A68466C-TRACY L PERRY]
Sent: 2/7/2018 6:33:44 PM
To: Guilaran, Yu-Ting [Guilaran.Yu-Ting@epa.gov]
Subject: FW: chlorpyrifos, malathion, diazinon applicants
Attachments: Chlorpyrifos.Malathion.Diazinon.Registrants.docx

See below for more details...

From: Perry, Tracy
Sent: Monday, January 29, 2018 12:03 PM
To: Sherman, Kelly <Sherman.Kelly@epa.gov>; Costello, Kevin <Costello.Kevin@epa.gov>; Anderson, Brian <Anderson.Brian@epa.gov>
Cc: Friedman, Dana <Friedman.Dana@epa.gov>; Javier, Julie <Javier.Julie@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>; Snyderman, Steven <snyderman.steven@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>
Subject: FW: chlorpyrifos, malathion, diazinon applicants

Internal***Deliberative***Confidential

Hi all – FYI – I sent FWS the list of technical registrants (ESA applicants) for chlorpyrifos, malathion and diazinon. FWS has not yet completed their draft BiOps for these 3 AIs, and they have agreed to incorporate usage information into their current drafts. EFED, BEAD and PRD will be meeting with FWS in Feb. or March to give them a better idea of what kind of usage data we have, what it means, and how it can be used to narrow the scope of effects determinations. (NOAA and USDA will be at the meeting as well) FWS is getting pushed to engage the registrants in consultations sooner rather than later – thus my email below.

Tracy L. Perry
Senior Regulatory Advisor
Risk Management and Implementation Branch III
Pesticide Re-evaluation Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
(703) 308-0128

From: Perry, Tracy
Sent: Monday, January 29, 2018 11:51 AM
To: 'george_noguchi@fws.gov' <george_noguchi@fws.gov>; Patrice Ashfield <patrice_ashfield@fws.gov>; Aubrey, Craig <craig_aubrey@fws.gov>; 'gina_shultz@fws.gov' <gina_shultz@fws.gov>
Cc: Anderson, Brian <Anderson.Brian@epa.gov>; Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>
Subject: chlorpyrifos, malathion, diazinon applicants

Hello,

Following up on last Thursday's ESA Pesticide Senior Managers call, I have attached the list of technical registrants for chlorpyrifos, malathion and diazinon. When negotiating pesticide risk reduction measures, EPA routinely works with the technical registrants (i.e., those companies who possess active registrations for products that are solely used to

manufacture or formulate other pesticide products, which are referred to as “end-use products”). Working with the technical registrants provides an opportunity for all registrants to be involved in the risk management process.

Please let me know if you have any questions.

Tracy L. Perry
Senior Regulatory Advisor
Risk Management and Implementation Branch III
Pesticide Re-evaluation Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
(703) 308-0128

Message

From: Sims, Diann [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7CA5706C9DA345C5AF43F0899CF3A8DF-DIANN SIMS]
Sent: 11/14/2018 9:57:27 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]
CC: Anderson, Brian [Anderson.Brian@epa.gov]
Subject: RE: [EXTERNAL] Re: quick question

I see. Yes, you can answer in the affirmative. I'm happy to talk with him if he wants further information. Thanks for the question.

From: Ashfield, Patrice <patrice_ashfield@fws.gov>
Sent: Wednesday, November 14, 2018 3:34 PM
To: Sims, Diann <Sims.Diann@epa.gov>
Cc: Anderson, Brian <Anderson.Brian@epa.gov>
Subject: Re: [EXTERNAL] Re: quick question

Dear Diann-

Deliberative Process / Ex. 5

All Steve from Wiley Rein, not CLA, wants to know is "does FWS have 3 SUUM reports for the 3 OPs." Can I say yes, or should I direct him to you?

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations
Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

On Wed, Nov 14, 2018 at 2:50 PM Sims, Diann <Sims.Diann@epa.gov> wrote:

Hi Patrice,

Thanks for the question. We delivered both reports to FWS. Diazinon was shared as an example only to facilitate our earlier discussions on usage data. Chlorpyrifos was delivered as an internal deliberative document for the workgroup. As such, the proprietary values are rounded but not masked as they would be if we published the document.

Are you asking if it is ok to share the reports with CLA? If so, let's talk more about that.

From: Ashfield, Patrice <patrice_ashfield@fws.gov>
Sent: Wednesday, November 14, 2018 10:57 AM
To: Anderson, Brian <Anderson.Brian@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>
Cc: Shultz, Gina <gina_shultz@fws.gov>; Rebecca Finley <shawn.finley@sol.doi.gov>
Subject: Re: [EXTERNAL] Re: quick question

Dear Diann-

I am trying to be responsive to Steve Richardson on this question of "Do we (FWS) have summary usage reports from EPA for chlorpyrifos and diazinon?" Pls let me know as soon as possible how you (EPA) would like me to respond? I

Deliberative Process / Ex. 5

Thanks.

Patrice M. Ashfield

Branch Chief for National Pesticide Consultations

Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

On Wed, Nov 14, 2018 at 7:02 AM Anderson, Brian <Anderson.Brian@epa.gov> wrote:

I sent your question to Diann Sims, who is way more familiar with the issue than I am.

Brian

From: Ashfield, Patrice <patrice_ashfield@fws.gov>
Sent: Tuesday, November 13, 2018 6:01 PM
To: Anderson, Brian <Anderson.Brian@epa.gov>
Subject: Re: [EXTERNAL] Re: quick question

okie dokie

Patrice M. Ashfield

Branch Chief for National Pesticide Consultations

Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS ES
Falls Church, VA 22041
(703) 358-2478 office

On Tue, Nov 13, 2018 at 5:33 PM Anderson, Brian <Anderson.Brian@epa.gov> wrote:

Hi Patrice

I don't wanna steer you wrong. Let me double check with our folks and get back to you tomorrow.

Brian

Sent from my iPhone

On Nov 13, 2018, at 5:20 PM, Ashfield, Patrice <patrice_ashfield@fws.gov> wrote:

Dear Brian-

Are the SUUM data reports you gave us for chlor, diaz, and mala all publicly available? Steve Richardson from Wiley Rein asked if FWS had all 3 reports and I don't want to say anything about EPA reports that isn't public information.

Advice on what to answer him?

thanks so much!

Patrice M. Ashfield

Branch Chief for National Pesticide Consultations

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Falls Church, VA 22041
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Message

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Sent: 11/14/2018 7:49:54 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]
CC: Anderson, Brian [Anderson.Brian@epa.gov]
Subject: RE: [EXTERNAL] Re: quick question

Hi Patrice,

Thanks for the question. We delivered both reports to FWS. Diazinon was shared as an example only to facilitate our earlier discussions on usage data. Chlorpyrifos was delivered as an internal deliberative document for the workgroup. As such, the proprietary values are rounded but not masked as they would be if we published the document.

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To: Anderson, Brian <Anderson.Brian@epa.gov>; Sims, Diann <Sims.Diann@epa.gov>
Cc: Shultz, Gina <gina_shultz@fws.gov>; Rebecca Finley <shawn.finley@sol.doi.gov>
Subject: Re: [EXTERNAL] Re: quick question

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Deliberative Process / Ex. 5

Thanks.

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Sent: Tuesday, November 13, 2018 6:01 PM
To: Anderson, Brian <Anderson.Brian@epa.gov>
Subject: Re: [EXTERNAL] Re: quick question

okie dokie

Patrice M. Ashfield

Branch Chief for National Pesticide Consultations

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Advice on what to answer him?

thanks so much!

Patrice M. Ashfield

Branch Chief for National Pesticide Consultations

Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office

Message

From: Sims, Diann [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7CA5706C9DA345C5AF43F0899CF3A8DF-DIANN SIMS]
Sent: 4/4/2018 7:39:51 PM
To: Ashfield, Patrice [patrice_ashfield@fws.gov]; Sheryl Kunickis [Sheryl.Kunickis@osec.usda.gov]; cathy.tortorici@noaa.gov; Shultz, Gina [gina_shultz@fws.gov]; Miller, Wynne [Miller.Wynne@epa.gov]; Echeverria, Marietta [Echeverria.Marietta@epa.gov]; Guilaran, Yu-Ting (Guilaran.Yu-Ting@epa.gov) [Guilaran.Yu-Ting@epa.gov]
CC: Ashley Stilson [ashley_stilson@fws.gov]
BCC: Garber, Kristina [Garber.Kristina@epa.gov]; Paisley-Jones, Claire [paisley-jones.claire@epa.gov]; Becker, Jonathan [Becker.Jonathan@epa.gov]; Atwood, Donald [Atwood.Donald@epa.gov]
Subject: RE: The Agenda for Tomorrow's BEAD Meeting
Attachments: Pesticide Usage Data Sources Overview_2-23-18_FINAL.PPTX; BEAD Response to FWS questions regarding usage data 02212018.docx

Hi Patrice,

Thanks for sharing the agenda with us. We had some Wi-Fi issues earlier, hence the late reply. We're looking forward to discussing malathion with the workgroup and hope to make progress in the allotted timeframe.

Deliberative Process / Ex. 5

From: Ashfield, Patrice [mailto:patrice_ashfield@fws.gov]
Sent: Wednesday, April 4, 2018 11:05 AM
To: Sims, Diann <Sims.Diann@epa.gov>; Sheryl Kunickis <Sheryl.Kunickis@osec.usda.gov>; cathy.tortorici@noaa.gov; Shultz, Gina <gina_shultz@fws.gov>
Cc: Ashley Stilson <ashley_stilson@fws.gov>
Subject: The Agenda for Tomorrow's BEAD Meeting

Dear Diann, Sheryl and Cathy-

Attached is a draft Agenda (with a general purpose statement) to help facilitate tomorrow's malathion BEAD workshop. It is very simple and straight forward so I am thinking this should be for everyone. However, if you see a fatal flaw, pls let me know asap and we can change it. If this version is okay then pls forward to your folks.

Thanks!

Patrice M. Ashfield
Branch Chief for National Pesticide Consultations

Headquarters, Fish and Wildlife Service
5275 Leesburg Pike, MS:ES
Falls Church, VA 22041
(703) 358-2478 office
